

Storm Data and Unusual Weather Phenomena - January 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|---|
| INDIANA, Northeast | | | | |
| (IN-Z003) LA PORTE, (IN-Z004) ST. JOSEPH, (IN-Z005) ELKHART, (IN-Z006) LAGRANGE, (IN-Z007) STEUBEN, (IN-Z012) STARKE, (IN-Z014) MARSHALL, (IN-Z015) FULTON, (IN-Z016) KOSCIUSKO | | | | |
| | 01/01/08 00:00 EST | | 0 | Winter Storm |
| | 01/02/08 04:29 EST | | 0 | |
| Another strong cold front, accompanied by developing low pressure, resulted in snow across much northern Indiana. While the highest amounts were only around 4 inches in the far northwestern part of the area, strong winds caused widespread blowing and drifting with white-out conditions at times. In addition, wind chills dropped into the 15 to 25 below zero range. | | | | |
| (IN-Z003) LA PORTE, (IN-Z004) ST. JOSEPH, (IN-Z005) ELKHART, (IN-Z006) LAGRANGE, (IN-Z007) STEUBEN, (IN-Z008) NOBLE, (IN-Z012) STARKE, (IN-Z014) MARSHALL, (IN-Z015) FULTON, (IN-Z016) KOSCIUSKO | | | | |
| | 01/01/08 00:00 EST | | 0 | Winter Storm |
| | 01/02/08 04:29 EST | | 0 | |
| Light snow began during the mid evening hours on New Years Eve of 2007. However, significant travel problems and accumulations did not begin until shortly after midnight of New Years Day. Heavy snow fell across portions of northern Indiana. Many locations seen on the order of 6 to 9 inches across the area. However, a mesoscale band developed and allowed for a swath of accumulations from 9 to 12 inches from portions of Marshall county into Elkhart and Lagrange counties. In addition, lake enhanced snow bands developed, bring additional accumulatis to extreme northwestern portions of the area. Isolated totals exceeding 2 feet were reported when the event finally wound down. | | | | |
| LA PORTE COUNTY --- 0.5 E WANATAH [41.43, -86.89] | | | | |
| | 01/07/08 19:38 CST | | 0 | Thunderstorm Wind (MG 65 kt) |
| | 01/07/08 19:39 CST | | 0 | Source: Amateur Radio |
| Trained spotters measured wind gusts as high as 75 mph in Wanatah. | | | | |
| LA PORTE COUNTY --- 0.9 NW SOUTH WANATAH [41.43, -86.93] | | | | |
| | 01/07/08 19:43 CST | | 0 | Hail (0.75 in) |
| | 01/07/08 19:44 CST | | 0 | Source: Amateur Radio |
| Penny size hail was observed two miles west of Wanatah. | | | | |
| ELKHART COUNTY --- 0.5 W GOSHEN [41.58, -85.84] | | | | |
| | 01/07/08 21:38 EST | | 0 | Thunderstorm Wind (MG 54 kt) |
| | 01/07/08 21:39 EST | | 0 | Source: Amateur Radio |
| Trained spotters reported a 62 mph wind gust. | | | | |
| MARSHALL COUNTY --- 1.5 SSE PLYMOUTH [41.33, -86.31] | | | | |
| | 01/07/08 21:53 EST | | 90K | Lightning |
| | 01/07/08 21:54 EST | | 0 | Source: Newspaper |
| Lightning struck a three car garage attached to a house in the 11000 block of south Michigan Road. When firefighters arrived, the garage was engulfed in flames. Severe damage occurred to the garage and 3 vehicles in it, as well as smoke and water damage to portions of the house. Damage was estimated \$90,000. | | | | |
| Unseasonably warm, moist air was drawn north into the area ahead of a strong cold front that moved from Illinois into Indiana during the evening hours of January 7. Surface temperatures in the 60s and dewpoints in the 50s, as well as strong winds aloft, allowed for the development of a line of strong to severe thunderstorms along the cold front in Illinois. This line progressed east into northwestern Indiana with reports of wind damage being received. The line quickly weakened as it moved east and transitioned into a heavy rain event. | | | | |
| LA PORTE COUNTY --- 3.3 SSW DILLON [41.48, -86.61], 3.2 SSW DILLON [41.48, -86.60], 2.6 SSW DILLON [41.48, -86.60], 1.6 S KANKAKEE [41.50, -86.55], 1.1 E KANKAKEE [41.52, -86.53], 0.7 ENE KANKAKEE [41.52, -86.54], 1.7 SSW DILLON [41.50, -86.59], 2.6 SSW DILLON [41.49, -86.61] | | | | |
| | 01/08/08 01:00 CST | | 0.15M | Flash Flood (due to Heavy Rain / Snow Melt) |
| | 01/08/08 04:00 CST | | 0 | Source: Newspaper |

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| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|---|
| Heavy rain and snow melt caused the Kankakee River to go over its banks and flood mainly agricultural areas. However...10 of 15 feet of a levee that was in place along the river southeast of Kingsbury, gave way. A few residences were near the increased flooding and were sandbagged as a precaution but did not experience any problems. Numerous roads were posted with high water signs or closed for a period of time as runoff pooled in low areas and ditches, including County Road 500 South near Walkerton where a bridge was closed as a precaution due to the high water. Damage is estimated at \$150,000. | | | | |
| ST. JOSEPH COUNTY --- 0.2 NW WYATT [41.52, -86.17], 0.5 ENE WYATT [41.52, -86.16], 0.6 ESE WYATT [41.52, -86.16], 0.2 S WYATT [41.52, -86.17] | | | | |
| | 01/08/08 02:00 EST | | 10K | Flash Flood (due to Heavy Rain / Snow Melt) |
| | 01/08/08 04:00 EST | | 0 | Source: Newspaper |

Nearly three inches of rain, combined with snow melt, allowed for flooding problems for much of St Joseph county. US 331 just south of Wyatt, was closed for a short period of time due to flood waters covering and flowing over the roadway.

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|--|--------------------|---|-------|---------------------------------------|
| FULTON COUNTY --- 2.7 NW ROCHESTER [41.10, -86.25], 0.7 N WAGONER [41.03, -86.15], 2.2 ESE TALMA [41.14, -86.09], 1.9 NNW TALMA [41.17, -86.15] | | | | |
| | 01/08/08 03:00 EST | 2 | 0.13M | Flood (due to Heavy Rain / Snow Melt) |
| | 01/09/08 07:30 EST | 1 | 0 | Source: Newspaper |

Numerous roads across Fulton county were at least partially, if not fully impassable with flood waters from low areas, creeks, streams and rivers. County officials closed all roads to general travel from the evening of January 8th to the morning hours of the 9th. Reports of a Chevy Tahoe in deep water with children trapped was received by dispatch centers in Fulton and Kosciusko counties around 750 am Tuesday morning. The vehicle was located on County Road 600 North between 825 and 900 East near the Fulton/Kosciusko county line. The driver of the vehicle, a 29 year old female, reported coming over the top of a hill and unknowingly drove into flowing water over 600 North. By the time she realized what was going on the vehicle stalled and was subsequently carried by nearly seven feet of water into an adjacent field. The driver was able to rescue three of the five children, ages four, one and three months. However, flood waters overtook the vehicle and two children, a two year old girl and five year old boy drowned in the SUV. Due to the fast current, a boat and front end loader were used in the rescue. A Mentone firefighter suffered minor injuries during the rescue.

Direct Fatalities: F2VE, M5VE

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|---|--------------------|--|-------|---------------------------------------|
| MARSHALL COUNTY --- 1.1 NNE TIPPECANOE [41.21, -86.11], 0.5 NNW TIPPECANOE [41.21, -86.12], 1.9 WNW PLYMOUTH [41.36, -86.36], 2.1 SW LAKE OF THE WOODS [41.38, -86.26] | | | | |
| | 01/08/08 03:00 EST | | 0.15M | Flood (due to Heavy Rain / Snow Melt) |
| | 01/11/08 07:00 EST | | 0 | Source: Emergency Manager |

Several county and some city roads experienced high water on them for a few days as low areas, ditches and creeks exceeded capacity from one to three inches of rain. Some residences were affected in and around Plymouth as a result of flood waters from the rising Yellow River. The town of Tippecanoe also had some flooding issues with the Tippecanoe River going over its banks. Schools were closed on parts of the area during the even. No exact damage were available, but is estimated at \$150,000 for road repairs and structure damage.

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|--|--------------------|--|-------|---------------------------------------|
| WHITE COUNTY --- 2.0 SW WOLCOTT [40.75, -87.05], 3.0 ENE LEE [40.91, -86.91], 2.5 ENE HEADLEE [40.91, -86.60], 2.9 WSW SEAFIELD [40.73, -87.03] | | | | |
| | 01/08/08 03:56 EST | | 0.25M | Flood (due to Heavy Rain / Snow Melt) |
| | 01/10/08 19:00 EST | | 0 | Source: Newspaper |

Widespread flooding of many creeks, streams, low areas and small towns occurred as a result of anywhere from 5 to locally as much as 7 inches of rain across much of northern White county. Several inches of snow also rapidly melted, contributing to flooding. Portions of several towns, including Monon, Wolcott, Buffalo and Reynolds were under water, in some places over a foot deep. While the significant flooding subsided during the day of January 9th, numerous areas of standing water persisted well into the 10th. Exact damage figures are not available at this time, but are estimated around \$250,000.

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|--|--------------------|--|-------|---------------------------------------|
| CASS COUNTY --- 1.5 NE DUNKIRK [40.76, -86.38], 2.9 W LAKE CICOTT [40.77, -86.58], 4.7 NW ROYAL CENTER [40.91, -86.57], 1.6 NNE METEA [40.89, -86.31] | | | | |
| | 01/08/08 04:00 EST | | 0.15M | Flood (due to Heavy Rain / Snow Melt) |
| | 01/11/08 07:00 EST | | 0 | Source: Newspaper |

Numerous roads were flooded across mainly the northwestern part of the county, generally north of US 24 and west of State Route 25. A state of emergency was declared by county officials in these areas for about a 12 hour period, restricting travel to all but essential needs. Water was reported in many basements and covering driveways. Emergency officials did have to assist with several evacuations across the area. No exact damage figures are available, but is estimated at around \$150,000.

| | | | | |
|--|--------------------|--|-------|---------------------------------------|
| WHITLEY COUNTY --- 0.3 N SOUTH WHITLEY [41.08, -85.62], 0.7 SSE CHURUBUSCO [41.22, -85.31], 1.8 WNW TRI LAKES [41.26, -85.46], 2.8 WSW ETNA [41.25, -85.62] | | | | |
| | 01/08/08 05:58 EST | | 0.15M | Flood (due to Heavy Rain / Snow Melt) |
| | 01/11/08 07:00 EST | | 0 | Source: Emergency Manager |

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| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|---|
| <p>Numerous roads were closed or posted with high water signs across the county as a result of 1 to 3 inches of rain, as well as snow melt. Several residences and businesses were sandbagged as a precaution but no significant damage was reported. Damage is estimated at around \$150,000.</p> | | | | |
| WABASH COUNTY --- 1.1 WSW NORTH MANCHESTER [40.99, -85.79], 0.5 S NORTH MANCHESTER [40.99, -85.77], 0.6 E NORTH MANCHESTER [41.00, -85.76], 0.3 ENE NORTH MANCHESTER [41.00, -85.76], 0.3 WSW NORTH MANCHESTER [41.00, -85.78], 0.9 W NORTH MANCHESTER [41.00, -85.79] | | | | |
| | 01/08/08 06:05 EST | | 75K | Flood (due to Heavy Rain / Snow Melt) |
| | 01/11/08 07:00 EST | | 0 | Source: Emergency Manager |
| <p>County officials reported high water on some roadways both in the county and also in a few cities, including North Manchester and Roann. 2.7 inches of rain was observed near North Manchester. The Eastside Mobile Home Park next to the Eel river in North Manchester was evacuated as flood waters moved into the park and under trailers. Luckily, no water got into the trailers and residents were able to return home by Jan 11th. A rescue from a residence was needed in Roann to get 2 adults and a 5 month old child. No exact damage figures are available, but are estimated at \$75,000, mainly for road repairs and some basement flooding.</p> | | | | |
| KOSCIUSKO COUNTY --- 0.3 W MENTONE [41.17, -86.04], 0.9 N SIDNEY [41.11, -85.75], 1.7 N ENCHANTED HILLS [41.44, -85.67], 1.5 NNW MILFORD WEISSER ARPT [41.44, -85.89] | | | | |
| | 01/08/08 07:52 EST | | 0.20M | Flood (due to Heavy Rain / Snow Melt) |
| | 01/11/08 07:00 EST | | 0 | Source: Emergency Manager |
| <p>Numerous roads were either closed or had high water signs up for several days due to rainfall of 2 to 4 inches across the county. Several creeks and the Tippecanoe river also went over their banks, causing part of the flooding problems in addition to creeks, ditches and low areas filling beyond capacity. No exact damage figures are available but are estimated at \$200,000.</p> | | | | |
| WHITE COUNTY --- 0.6 W NORWAY [40.78, -86.76], 0.5 W NORWAY [40.78, -86.76], 0.4 NNW MONTICELLO [40.76, -86.75], 1.4 E WHITE CO ARPT [40.72, -86.74], 4.4 SSE WHITE CO ARPT [40.66, -86.74], 4.0 S WHITE CO ARPT [40.66, -86.77], 1.0 NNW WHITE CO ARPT [40.73, -86.78], 1.4 SW NORWAY [40.77, -86.77] | | | | |
| | 01/08/08 09:00 EST | | 2M | Flash Flood (due to Heavy Rain / Snow Melt) |
| | 01/09/08 11:39 EST | | 0 | Source: Emergency Manager |
| <p>Snow melt, a partially frozen ground and rainfall ranging from four to seven inches across much of White county, resulted in high water levels behind Norway Dam, forcing the release of record flows through the dam, which at its peak exceeded 26,000 cubic feet per second (cfs) between 8 and 10 am EST on January 8th. A flood emergency was declared around 8 am EST by dam and White County officials and numerous residents south of the dam, including portions of the city of Monticello, were placed under mandatory evacuation orders. Over 100 families were assisted or rescued as flood waters rapidly rose. The Norway Campground, located near the dam, had approximately 70 seasonal occupied trailers that were evacuated. Many of the trailers were destroyed either by the water or being thrown against trees. Numerous roads and a few bridges over the Tippecanoe River either had caution advised or even closed briefly during the peak flow times. Discharge rates were able to be trimmed back below 22,000 cfs during the late morning hours of January 9th, which allowed the threat for the need of additional evacuations and closures to be reduced. Despite the lower flows, many residents remained evacuated into January 12th. No exact damage figures were available, but are estimated at upwards of 2 million dollars.</p> | | | | |
| DE KALB COUNTY --- 0.9 SW AUBURN [41.36, -85.06], 1.4 WNW HAMILTON [41.53, -84.94], 3.0 NNW FAIRFIELD CENTER [41.52, -85.15], 0.8 NNW ALTONA [41.36, -85.16] | | | | |
| | 01/08/08 11:25 EST | | 0.15M | Flood (due to Heavy Rain / Snow Melt) |
| | 01/11/08 07:00 EST | | 0 | Source: Newspaper |
| <p>At least 6 roads were temporarily closed, with many others posted with high water signs, as ditches overflowed and low areas filled. A senior care center was threatened by flood waters coming out of a overflowed retention pond. Sandbags were placed to help, but luckily no evacuations were needed. No exact damage figure were available, but are estimated at around \$150,000.</p> | | | | |
| ELKHART COUNTY --- 1.1 SW FORAKER [41.51, -85.95], 7.4 WNW (EKM)ELKHART MUNI AR [41.75, -86.14], 1.4 E VISTULA [41.75, -85.70], 1.8 N MILLERSBURG [41.55, -85.70] | | | | |
| | 01/09/08 10:14 EST | | 0.25M | Flood (due to Heavy Rain / Snow Melt) |
| | 01/11/08 07:00 EST | | 0 | Source: Emergency Manager |
| <p>Around one dozen roads were closed across the county, as well in Elkhart and Goshen as a result of either a foot or more of standing water on roadway, or rising river levels. No mandatory evacuations were put in place. Several city and county parks were partially under water with damage to sidewalks and some retaining walls. No exact damage figures are available, but are estimated at \$250,000.</p> | | | | |
| <p>An unseasonable moist atmosphere and slow moving cold front set the stage for the training of rain and thunderstorms across much of northern Indiana. In addition, a dense snowpack rapidly melted as a result of the warm temperatures and rainfall, resulting in rapid rises on river and streams as well as widespread problems with flooding of low areas and ditches. Rainfall amounts ranging from a couple inches to locally over 7 inches was reported, with the highest amounts in and around White county.</p> | | | | |
| (IN-Z003) LA PORTE | | | | |

Storm Data and Unusual Weather Phenomena - January 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------|
| | 01/19/08 19:00 EST | 2 | 0 | Cold/Wind Chill |
| | 01/20/08 10:00 EST | | 0 | |

An arctic air mass allowed for high temperatures to struggle into the single digits above zero during the day and below zero at night during the evening hours of January 19th into the morning hours of the 20th. Two deaths were reported with the cold being a contributing factor.

Direct Fatalities: F61PH, F84OU

CASS COUNTY --- 0.5 W GALVESTON [40.58, -86.19]

| | | |
|--------------------|----|------------------------------|
| 01/29/08 19:14 EST | 5K | Thunderstorm Wind (EG 55 kt) |
| 01/29/08 19:15 EST | 0 | Source: Emergency Manager |

Three large trees were blown down, with one tree falling against a house and another onto a parked car. Damage is estimated at \$5000.

GRANT COUNTY --- 1.4 S SHADY HILLS [40.55, -85.67]

| | | |
|--------------------|---|------------------------------|
| 01/29/08 19:50 EST | 0 | Thunderstorm Wind (EG 52 kt) |
| 01/29/08 19:51 EST | 0 | Source: Storm Chaser |

A trained spotter estimated winds gusting to 60 mph in Marion.

An arctic boundary moved across the Great Lakes; ahead of this front, unseasonably warm air spread over the region. This set the stage for a narrow line of thunderstorms that produced isolated wind damage.

MICHIGAN, Extreme Southwest

(MI-Z077) BERRIEN, (MI-Z078) CASS, (MI-Z080) BRANCH, (MI-Z081) HILLSDALE

| | | |
|--------------------|---|--------------|
| 01/01/08 00:00 EST | 0 | Winter Storm |
| 01/02/08 19:00 EST | 0 | |

Light snow began during the mid evening hours on New Years Eve of 2007. However, significant travel problems and accumulations did not begin until shortly after midnight of New Years Day. Heavy snow fell across much of far southern Lower Michigan during the first few days of 2008. Many locations seen on the order of 6 to 10 inches of snow across the area. However, a mesoscale band developed and allowed for a swath of locally higher accumulations across much of St Joseph, Branch and Hillsdale counties where accumulations from 10 to 14 inches was reported. In addition, lake enhanced snow bands developed, bring additional accumulations to much of Berrien, Cass and western portions of St. Joseph counties. Isolated totals approached 2 feet by the end of the event.

CASS COUNTY --- 0.5 W DOWAGIAC [41.98, -86.11]

| | | |
|--------------------|---|------------------------------|
| 01/07/08 20:13 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 01/07/08 20:14 EST | 0 | Source: Trained Spotter |

A few trees were blown down in Dowagiac.

BRANCH COUNTY --- 0.5 W SHERWOOD [42.00, -85.24]

| | | |
|--------------------|---|------------------------------|
| 01/07/08 21:29 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 01/07/08 21:30 EST | 0 | Source: Trained Spotter |

A large tree was blown down two miles west of Sherwood.

BRANCH COUNTY --- 1.4 S GIRARD [42.01, -85.00]

| | | |
|--------------------|---|------------------------------|
| 01/07/08 21:37 EST | 0 | Thunderstorm Wind (MG 56 kt) |
| 01/07/08 21:38 EST | 0 | Source: Amateur Radio |

A trained spotter recorded a wind gust of 65 mph five miles north of Coldwater.

Unseasonably warm, moist air was drawn north into the area ahead of a strong cold front that moved from Illinois into southwestern lower Michigan during the evening hours of January 7. Surface temperatures in the 60s and dewpoints in the 50s, as well as strong winds aloft, allowed for the development of a line of strong to severe thunderstorms along the cold front in Illinois. This line progressed east into far southwestern lower Michigan with reports of wind damage being received. The line quickly weakened as it moved east and transitioned into a heavy rain event.

(MI-Z077) BERRIEN

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| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------|
| | 01/24/08 00:00 EST | | 0 | Lake-Effect Snow |
| | 01/24/08 16:00 EST | | 0 | |

A blast of arctic air flowed over the relatively warm waters of Lake Michigan to allow for the development of lake effect snow showers. One band in particular dropped heavy snow across portions of Berrien county. Brisk winds also caused area of blowing and drifting as well as wind chills around 20 below zero.

(MI-Z077) BERRIEN

| | | |
|--------------------|---|--------------|
| 01/29/08 22:00 EST | 0 | Winter Storm |
| 01/30/08 10:00 EST | 0 | |

Another strong cold front, accompanied by developing low pressure, resulted in snow across much of far southern Lower Michigan. While the highest amounts were only around 4 inches, strong winds caused widespread blowing and drifting with white-out conditions at times. In addition, wind chills dropped into the 15 to 25 below zero range.

OHIO, Northwest

VAN WERT COUNTY --- 1.4 S VAN WERT [40.85, -84.57]

| | | |
|--------------------|-----|------------------------------|
| 01/29/08 21:27 EST | 15K | Thunderstorm Wind (EG 50 kt) |
| 01/29/08 21:28 EST | 0 | Source: Emergency Manager |

Seven power poles were reported blown down southeast of Van Wert by emergency management officials.

PUTNAM COUNTY --- 2.6 NE COLUMBUS GROVE [40.95, -84.02]

| | | |
|--------------------|----|------------------------------|
| 01/29/08 21:35 EST | 4K | Thunderstorm Wind (EG 50 kt) |
| 01/29/08 21:36 EST | 0 | Source: Newspaper |

A 38 foot 5th wheel trailer was rolled by the strong winds. Branches were also reported down in parts of the county.

Another arctic boundary moved across the Great Lakes, with unseasonably warm air ahead of it. This set the stage for a narrow line of thunderstorms that produced isolated wind damage.

Storm Data and Unusual Weather Phenomena - February 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|---|
| INDIANA, Northeast | | | | |
| (IN-Z003) LA PORTE, (IN-Z004) ST. JOSEPH, (IN-Z005) ELKHART, (IN-Z006) LAGRANGE, (IN-Z007) STEUBEN, (IN-Z008) NOBLE, (IN-Z009) DE KALB, (IN-Z012) STARKE, (IN-Z013) PULASKI, (IN-Z014) MARSHALL, (IN-Z015) FULTON, (IN-Z016) KOSCIUSKO, (IN-Z017) WHITLEY, (IN-Z018) ALLEN, (IN-Z020) WHITE, (IN-Z022) CASS, (IN-Z023) MIAMI, (IN-Z024) WABASH, (IN-Z025) HUNTINGTON, (IN-Z026) WELLS, (IN-Z027) ADAMS, (IN-Z032) GRANT, (IN-Z033) BLACKFORD, (IN-Z034) JAY | | | | |
| | 02/01/08 00:00 EST | | 0 | Winter Storm |
| | 02/01/08 17:07 EST | | 0 | |
| A winter storm developed in the Southern Plains and tracked into the area with a swath of mainly snow for northern Indiana. The precipitation did start as a period of sleet and even freezing rain. Most areas north and west of a Marion to south of Fort Wayne line received 6 to 8 inches of snow along with blowing and drifting snow. Many schools were closed for the day, giving students a long weekend. | | | | |
| WHITLEY COUNTY --- 2.8 SE ETNA [41.24, -85.53], 2.8 ESE TRI LAKES [41.24, -85.38], 1.5 SE COESSE [41.11, -85.38], 1.2 W SOUTH WHITLEY [41.08, -85.64], 3.7 WSW ETNA [41.24, -85.63] | | | | |
| | 02/05/08 04:15 EST | | 50K | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported several roads across the county were experiencing high water. The area extended from Tri Lakes to west of Churubusco, south to near Coesse and then west to South Whitley. Roads reported under water included near and west of Highway 109 in the Tri Lakes area, east towards Churubusco and around Highway 14. In the South Whitley area, flooding prompted the closure of a portion of State Route 5. | | | | |
| HUNTINGTON COUNTY --- 2.5 NNE ROANOKE [41.00, -85.35], 1.8 WNW MARDENIS [40.91, -85.43], 1.4 S MAKIN [40.95, -85.58], 0.5 E LUTHER [41.00, -85.56] | | | | |
| | 02/05/08 06:00 EST | | 10K | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Broadcast Media |
| Local media outlets reported high water affecting portions of US 24 between Roanoke and Huntington, as well as State Road 114, west of US 24, on the Whitley/Huntington county line. A Roanoke firefighter spotted something in floodwaters, requested assistance and upon entering a boat and heading to the area, observed an elderly Warsaw, Indiana man sitting in his truck in waist deep water. The driver was hypothermic and difficult to understand from exposure to the cold floodwaters. He was taken to a local hospital for treatment. | | | | |
| KOSCIUSKO COUNTY --- 1.4 S MILFORD [41.40, -85.85], 2.1 SSE VAWTER PARK [41.37, -85.69], 4.0 NE SIDNEY [41.14, -85.69], 1.4 WNW BURKET [41.16, -86.00] | | | | |
| | 02/05/08 06:23 EST | | 15K | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Trained Spotter |
| Water was reported over State Route 15, near Milford. Numerous other county roads had high water including a few road closures due to standing water. | | | | |
| ELKHART COUNTY --- 1.2 ESE BENTON [41.51, -85.75], 1.4 ESE BENTON [41.51, -85.75], 1.0 SE BENTON [41.51, -85.76], 0.9 SE BENTON [41.51, -85.76] | | | | |
| | 02/06/08 00:02 EST | | 10K | Flash Flood (due to Heavy Rain / Snow Melt) |
| | 02/06/08 06:00 EST | | 0 | Source: NWS Employee |
| An off duty NWS employee reported eight to twelve inches of fast flowing water over roadways just east of Benton, around County Road 44 and 33. | | | | |
| JAY COUNTY --- 0.4 W NEW CORYDON [40.57, -84.84], 3.3 SSE TRINITY [40.49, -84.82], 0.5 NNE LIBER [40.41, -84.97], 1.4 W PLEASANT RIDGE [40.48, -85.01] | | | | |
| | 02/06/08 07:00 EST | | 0 | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Newspaper |
| Residents in and around the town of New Corydon were cut off on three of the four sides of town by floodwaters from the Wabash River. The only access was from the southeast on County Road 750 East. No evacuations were necessary. Floodwaters from low areas and other local streams and creeks also required some evacuation of residences closer to Portland as well as Pennville. | | | | |
| STEUBEN COUNTY --- ANGOLA [41.63, -85.00], FREMONT [41.73, -84.93], 0.5 WNW ORLAND [41.73, -85.18], 1.7 SW FLINT [41.63, -85.16] | | | | |
| | 02/06/08 07:00 EST | | 0 | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Emergency Manager |
| Numerous county roads experienced high water. Road closures were necessary, including CR 275S from Bill Deller Road and CR 100 North between State Route 327 and the Lagrange county line. No rescues or evacuations were reported because of the floodwaters. | | | | |

Storm Data and Unusual Weather Phenomena - February 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|---------------------------------------|
| WABASH COUNTY --- 0.3 S NORTH MANCHESTER [41.00, -85.77], 0.4 SE NORTH MANCHESTER [41.00, -85.76], 0.4 ESE NORTH MANCHESTER [41.00, -85.76], 0.2 SSE NORTH MANCHESTER [41.00, -85.77] | | | | |
| | 02/06/08 07:00 EST | | 0 | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Newspaper |
| The local newspaper reported that 14 residences in the Eastside Trailer Court, in North Manchester, had to be evacuated due to rising waters from the Eel River. No damage was reported to any of the residences. | | | | |
| NOBLE COUNTY --- 2.3 NE WAKEFIELD VLG [41.49, -85.22], 1.3 WNW ROME CITY [41.51, -85.40], 2.2 NW BAKERTOWN [41.39, -85.38], 2.0 E LISBON [41.42, -85.21] | | | | |
| | 02/06/08 10:00 EST | | 25K | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Emergency Manager |
| Numerous roads across the county had high water over parts of them, with some closures, espeically around the Kendallville and Rome City areas. No evacuations were required. | | | | |
| LAGRANGE COUNTY --- 1.2 SSE SCOTT [41.74, -85.54], 1.2 NNW BRIGHTON [41.74, -85.33], 2.3 NNW MT PISGAH [41.61, -85.34], 0.8 NNW EMMA [41.63, -85.56] | | | | |
| | 02/06/08 13:05 EST | | 0.10M | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Emergency Manager |
| Several secondary roads had water on them, with some spots haveing washouts in poor drainage area. | | | | |
| FULTON COUNTY --- 0.7 N LAKE MANITOU [41.06, -86.20], 2.4 SSW LAKE MANITOU [41.02, -86.22], 2.0 SSW AKRON [41.02, -86.02], 2.4 WNW AKRON [41.06, -86.04] | | | | |
| | 02/06/08 14:44 EST | | 15K | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Trained Spotter |
| State Route 19, just north of Akron, was closed for a short period due to water on the road. Additionally, high water forced the closure of numerous secondary roads. | | | | |
| GRANT COUNTY --- 0.3 NNW STONECREST [40.53, -85.62], 0.6 NNW STONECREST [40.54, -85.63], 0.7 NW STONECREST [40.54, -85.63], 0.4 WNW STONECREST [40.53, -85.63] | | | | |
| | 02/06/08 17:26 EST | | 15K | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported that Stone road, the main access into the Stonecrest Manor mobile home park, was closed due to eight inches of water flowing over the road from river flooding on the Mississinewa River. No evacuations were reported. | | | | |
| ADAMS COUNTY --- 3.5 NE DECATUR HI WAY ARPT [40.87, -84.83], 2.3 SSW MONMOUTH [40.84, -84.97], 2.5 ESE PETERSON [40.81, -84.98], 2.0 E BERNE [40.65, -84.91] | | | | |
| | 02/07/08 01:00 EST | | 0 | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Emergency Manager |
| Widespread flooding was reported across much of the county. The hardest hit area was along the St. Mary's River, passing through the city of Decatur. Three bridges crossing the river were closed to normal traffic due to water approaching the bottom of the bridges. At least 18 roads were closed during the flooding from Berne to Geneva as well as North Adams from floodwaters from the local rivers, creeks and streams. | | | | |
| A snowpack of one to three inches rapidly melted as warm air arrive in the region. This snowmelt, combined with a partially frozen, very moist ground and rainfall from two to locally over 3 inches, resulted in an increase in low land and river flooding running along and south of a Knox to north of Millersburg line. At the onset, some flash flooding occurred in areas experiencing rainfall rates of one-half to one inch per hour. | | | | |
| LA PORTE COUNTY --- 0.9 NE LA PORTE [41.61, -86.71] | | | | |
| | 02/17/08 14:35 CST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 02/17/08 14:36 CST | | 0 | Source: Trained Spotter |
| Minor tree damage, mainly in the form of branches, was found on roadways. A few of the branches were rotten. | | | | |
| A strongly sheared, but weakly unstable environment and pockets of surface temperatures into the 50s allowed for strong winds just above the surface to be brought to the ground in isolated low topped supercells. | | | | |
| (IN-Z003) LA PORTE | | | | |

Storm Data and Unusual Weather Phenomena - February 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------|
| | 02/20/08 07:30 EST | | 0 | Winter Weather |
| | 02/20/08 08:30 EST | | 0 | |

A band of lake effect snow showers set across portions of LaPorte county during the early morning hours of February 20th. While snow amounts were light, gusty winds caused brief white-out conditions along Interstate 94. This resulted in a pile up of more than 25 cars and semis on the west bound side. There were only 5 reported minor injuries from the pile up.

| | | | |
|--|--------------------|---|--------------|
| (IN-Z003) LA PORTE, (IN-Z004) ST. JOSEPH, (IN-Z005) ELKHART, (IN-Z006) LAGRANGE, (IN-Z007) STEUBEN, (IN-Z008) NOBLE, (IN-Z009) DE KALB, (IN-Z012) STARKE, (IN-Z013) PULASKI, (IN-Z014) MARSHALL, (IN-Z015) FULTON, (IN-Z016) KOSCIUSKO, (IN-Z017) WHITLEY, (IN-Z018) ALLEN, (IN-Z025) HUNTINGTON, (IN-Z026) WELLS, (IN-Z027) ADAMS | 02/25/08 20:30 EST | 0 | Winter Storm |
| | 02/26/08 13:00 EST | 0 | |

Low pressure moved across central Indiana during the evening hours of the 25th into much of the 26th with widespread snow across northern Indiana. Areas south of US 30 received 4 to 6 inches of snow along with some sleet, with locations north of US 30 receiving six to locally 10 inches with some blowing and drifting snow. Grant, Blackford and Jay counties reported 1 to 3 inches of snow, however temperatures rose above freezing, switching the snow to rain for several hours.

| | | | |
|--------------------------------------|--------------------|---|------------------|
| (IN-Z003) LA PORTE, (IN-Z012) STARKE | 02/26/08 17:00 EST | 0 | Lake-Effect Snow |
| | 02/27/08 18:00 EST | 0 | |

| | | | |
|-------------------|--------------------|---|----------------|
| (IN-Z009) DE KALB | 02/26/08 20:00 EST | 0 | Winter Weather |
| | 02/27/08 00:30 EST | 0 | |

Northerly winds moving down the length of Lake Michigan resulted in a significant single band of lake effect snow Tuesday night into Wednesday morning. Snow totals reached over 18 inches as thunder and lightning were reported. The heavy snow closed the toll road in Laporte County early Wednesday morning, February 27th, as several semi trucks were unable to gain traction and visibilities dropped to zero. The single band actually began north of the Upper Peninsula of Michigan in Lake Superior and stretched over 500 miles into Cass County Indiana.

| | | | |
|-----------------|--------------------|---|----------------|
| (IN-Z008) NOBLE | 02/29/08 02:00 EST | 0 | Winter Weather |
| | 02/29/08 14:00 EST | 0 | |

A weak system moved through the region, bringing with a burst of light snow and snowfall amounts of 1 to 3 inches falling. The snow was a contributing factor to a 2-car accident in Noble County.

LAKE MICHIGAN

| | | | |
|--|--------------------|---|--|
| MICHIGAN CITY IN TO NEW BUFFALO MI COUNTY --- 0.9 NW MICHIGAN CITY [41.73, -86.91] | 02/17/08 14:40 EST | 0 | Marine Thunderstorm Wind (MG 54 kt) Source: C-MAN Station |
| | 02/17/08 14:41 EST | 0 | |

Recorded at the Michigan City GLERL station.

A strongly sheared, but weakly unstable environment and pockets of surface temperatures into the 50s allowed for strong winds just above the surface to be brought to the ground in isolated low topped supercells.

MICHIGAN, Extreme Southwest

| | | | |
|--|--------------------|---|--------------|
| (MI-Z077) BERRIEN, (MI-Z078) CASS, (MI-Z079) ST. JOSEPH, (MI-Z080) BRANCH, (MI-Z081) HILLSDALE | 02/01/08 00:00 EST | 0 | Winter Storm |
| | 02/01/08 17:07 EST | 0 | |

A winter storm developed in the Southern Plains and tracked into the area with a swath of mainly snow for far southern Lower Michigan. The precipitation did start as a period of sleet and even freezing rain. Most areas received 5 to 7 inches of snow along with blowing and drifting snow. Many schools were closed for the day, giving students a long weekend.

Storm Data and Unusual Weather Phenomena - February 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|------------------------|
| (MI-Z077) BERRIEN, (MI-Z078) CASS, (MI-Z079) ST. JOSEPH, (MI-Z080) BRANCH, (MI-Z081) HILLSDALE | | | | |
| | 02/25/08 20:30 EST | | 0 | Winter Storm |
| | 02/26/08 13:00 EST | | 0 | |

Low pressure moved across central Indiana during during the evening hours of the 25th into much of the 26th with widespread snow across far southern Lower Michigan. In general 5 to 7 inches of snow fell across the area.

| | | | | |
|--------------------------|--------------------|--|---|------------------|
| (MI-Z077) BERRIEN | | | | |
| | 02/27/08 17:00 EST | | 0 | Lake-Effect Snow |
| | 02/28/08 18:00 EST | | 0 | |

Northerly winds moving down the length of Lake Michigan resulted in a significant single band of lake effect snow Tuesday night into Wednesday morning. The heaviest total fell in teh southwest part of the county. The single band actually began north of the Upper Peninsula of Michigan in Lake Superior and stretched over 500 miles into Cass County Indiana.

OHIO, Northwest

| | | | | |
|---|--------------------|--|---|--------------|
| (OH-Z001) WILLIAMS, (OH-Z002) FULTON, (OH-Z004) DEFIANCE, (OH-Z005) HENRY, (OH-Z015) PAULDING, (OH-Z016) PUTNAM, (OH-Z024) VAN WERT, (OH-Z025) ALLEN | | | | |
| | 02/01/08 00:00 EST | | 0 | Winter Storm |
| | 02/01/08 11:08 EST | | 0 | |

A winter storm developed in the Southern Plains and tracked into the area with a swath of mainly snow for northern Indiana. The precipitation did start as a period of sleet and even freezing rain. Most areas north and west of a Payne to Napoleon line received 6 to 8 inches of snow along with blowing and drifting snow. South of this line, lesser amounts of snow and sleet were observed, but upwards of two tenths to locally as high as a quarter inch of ice was observed. Many schools closed for the day, giving students a long weekend.

| | | | | |
|---|--------------------|--|-----|---------------------------------------|
| DEFIANCE COUNTY --- 0.9 W SHERWOOD [41.28, -84.40], 1.0 NNW DEFIANCE [41.29, -84.36], 0.2 SSW INDEPENDENCE [41.30, -84.30], 0.7 S INDEPENDENCE [41.29, -84.30], 0.6 WSW SHERWOOD [41.28, -84.39] | | | | |
| | 02/05/08 08:00 EST | | 20K | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Broadcast Media |

Local media reported that portions of State Route 424 in Defiance county had water on it.

| | | | | |
|--|--------------------|--|-----|---------------------------------------|
| HENRY COUNTY --- 1.2 NW NAPOLEON HENRY CO AR [41.38, -84.09], 2.3 WSW NAPOLEON [41.37, -84.17], 1.4 WNW NAPOLEON [41.38, -84.16], 1.1 NNE NAPOLEON [41.40, -84.12], 2.9 NE NAPOLEON [41.41, -84.09], 2.5 N NAPOLEON HENRY CO AR [41.41, -84.06] | | | | |
| | 02/05/08 08:00 EST | | 50K | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Emergency Manager |

Emergency management officials reported three areas of water covered roadway on US 24 and Ohio 424 along the Maumee River. Closure of a bridge crossing over Turkey Foot Creek, southeast of Napoleon prompted the closure of County Road P.

| | | | | |
|---|--------------------|--|-----|---------------------------------------|
| VAN WERT COUNTY --- 1.0 E WILLSHIRE [40.75, -84.80], 1.8 WSW WREN [40.79, -84.80], 2.3 N GLENMORE [40.81, -84.68], 1.8 ESE VAN WERT [40.86, -84.54], 0.5 ENE JONESTOWN [40.77, -84.51] | | | | |
| | 02/06/08 08:41 EST | | 50K | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Emergency Manager |

Several county roads were closed due to high water, including State Route 49 just north of Wilshire.

| | | | | |
|---|--------------------|--|-----|---------------------------------------|
| PAULDING COUNTY --- 2.1 NW PAYNE [41.10, -84.75], 2.7 WSW CHARLOE [41.11, -84.47], 2.4 WSW MELROSE [41.07, -84.46], 2.1 SW PAYNE [41.06, -84.75] | | | | |
| | 02/06/08 15:13 EST | | 50K | Flood (due to Heavy Rain / Snow Melt) |
| | 02/07/08 10:00 EST | | 0 | Source: Emergency Manager |

State Route 500 west of State Route 49 and State Route 613 at State Route 637 both closed due to high water. 10 county and township roads also closed. Sandbagging was being done at two residences.

A snowpack of one to three inches rapidly melted as warm air arrive in the region. This snowmelt, combined with a partially frozen, very moist ground and rainfall from two to locally over 3 inches, resulted in an increase in low land and river flooding running south of a Paulding to Ottawa line. At the onset, some flash flooding occurred in areas experiencing rainfall rates of one-half to one inch per hour.

Storm Data and Unusual Weather Phenomena - February 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|------------------------|
| (OH-Z002) FULTON, (OH-Z004) DEFIANCE, (OH-Z005) HENRY, (OH-Z015) PAULDING, (OH-Z016) PUTNAM, (OH-Z024) VAN WERT, (OH-Z025) ALLEN | | | | |
| | 02/25/08 20:30 EST | | 0 | Winter Storm |
| | 02/26/08 13:00 EST | | 0 | |

Low pressure moved across central Indiana during the evening hours of the 25th into much of the 26th with widespread snow across northwest Ohio. Most locations seen from four to 7 inches with some sleet mixed in along and south of US 30. A man was killed near Antwerp in Paulding County when his vehicle collided with a semi in the opposing lane on US 24. The driver of the semi was not injured.

Storm Data and Unusual Weather Phenomena - March 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|------------------------|
| INDIANA, Northeast | | | | |
| (IN-Z007) STEUBEN, (IN-Z008) NOBLE, (IN-Z009) DE KALB, (IN-Z015) FULTON, (IN-Z016) KOSCIUSKO, (IN-Z017) WHITLEY, (IN-Z018) ALLEN, (IN-Z022) CASS, (IN-Z023) MIAMI, (IN-Z024) WABASH, (IN-Z025) HUNTINGTON, (IN-Z026) WELLS, (IN-Z027) ADAMS, (IN-Z032) GRANT, (IN-Z033) BLACKFORD, (IN-Z034) JAY | | | | |
| | 03/04/08 14:00 EST | 0 | | Winter Storm |
| | 03/05/08 02:00 EST | 0 | | |
| Strong low pressure tracked from Arkansas into central Ohio, bringing a swath of precipitation to all of northern Indiana. A band of heavy snow, with amounts ranging from six to ten inches, extended from Cass county Indiana northeast through Whitley and Allen counties. Some sleet was also mixed in with higher amounts noted north and south of the heavy snow. Drier air allowed for lighter snow amounts and a bit more in the way of sleet into northwestern Indiana where amounts were in the one to four inch range. At least one fatality was reported in the area when a 78 year old Kosciusko county resident was killed when her car was struck by another, sending the woman's vehicle into a tree. She was pronounced dead at a local hospital. | | | | |
| (IN-Z034) JAY | | | | |
| | 03/07/08 21:30 EST | 0 | | Winter Storm |
| | 03/08/08 15:00 EST | 0 | | |
| Another area of low pressure tracked across central Indiana into central Ohio. Snow was spread north of the low but remained confined to mainly Jay County where 4 to 6 inches of snow fell along with blowing and drifting snow, causing difficult travel. | | | | |
| (IN-Z007) STEUBEN | | | | |
| | 03/21/08 12:30 EST | 0 | | Winter Storm |
| | 03/22/08 04:00 EST | 0 | | |
| Low pressure tracked across portions of northern Indiana, spreading a swath of moderate to heavy snow across extreme northeastern Indiana, where accumulations of three to six inches occurred along with some blowing and drifting snow. | | | | |
| MICHIGAN, Extreme Southwest | | | | |
| (MI-Z081) HILLSDALE | | | | |
| | 03/04/08 14:00 EST | 0 | | Winter Storm |
| | 03/05/08 04:00 EST | 0 | | |
| Strong low pressure tracked from Arkansas into central Ohio, bringing a swath of precipitation to all of far southern Lower Michigan. Much of the area only saw a trace of snow to 3 inches...west of Interstate 69, as drier air and less moisture were in place across the area. To the east, across much of Hillsdale County, a narrow band of five to eight inches of snow blanketed the area. | | | | |
| (MI-Z077) BERRIEN, (MI-Z078) CASS, (MI-Z079) ST. JOSEPH, (MI-Z080) BRANCH, (MI-Z081) HILLSDALE | | | | |
| | 03/21/08 12:30 EST | 0 | | Winter Storm |
| | 03/22/08 04:00 EST | 0 | | |
| Low pressure tracked across portions of northern Indiana, spreading a swath of moderate to heavy snow across parts of far southern Lower Michigan. Accumulations of 6 to locally as much as a foot of snow occurred with the highest observed in Coldwater in Branch County. | | | | |
| OHIO, Northwest | | | | |
| (OH-Z001) WILLIAMS, (OH-Z002) FULTON, (OH-Z004) DEFIANCE, (OH-Z005) HENRY, (OH-Z015) PAULDING, (OH-Z016) PUTNAM, (OH-Z024) VAN WERT, (OH-Z025) ALLEN | | | | |
| | 03/04/08 14:00 EST | 0 | | Winter Storm |
| | 03/05/08 04:00 EST | 0 | | |
| Strong low pressure tracked from Arkansas into central Ohio, bringing a swath of precipitation to all of northwestern Ohio. The heaviest snow fell across far northwestern Ohio across Williams County, where around six inches fell. South of Williams County, amounts were generally in the one to four inch range as sleet and some freezing rain mixed in. | | | | |

Storm Data and Unusual Weather Phenomena - March 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|------------------------|
| (OH-Z016) PUTNAM, (OH-Z024) VAN WERT, (OH-Z025) ALLEN | | | | |
| | 03/07/08 21:30 EST | | 0 | Winter Storm |
| | 03/08/08 15:00 EST | | 0 | |

Another area of low pressure tracked across central Indiana into central Ohio. Snow was spread north of the low but remained confined to mainly Putnam, Allen and Van Wert counties where 4 to 6 inches of snow fell along with blowing and drifting snow, causing difficult travel.

Storm Data and Unusual Weather Phenomena - April 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|------------------------------|
| INDIANA, Northeast | | | | |
| ST. JOSEPH COUNTY --- 0.7 N (SBN)MICHIANA ARPT S [41.71, -86.32] | | | | |
| | 04/25/08 22:41 EST | | 0 | Thunderstorm Wind (MG 53 kt) |
| | 04/25/08 22:42 EST | | 0 | Source: ASOS |
| A wind gust of 61 mph was recorded at the South Bend Regional Airport ASOS. | | | | |
| ST. JOSEPH COUNTY --- 0.5 W SPORTSMAN ARPT [41.70, -86.13] | | | | |
| | 04/25/08 22:43 EST | | 50K | Thunderstorm Wind (MG 50 kt) |
| | 04/25/08 22:44 EST | | 0 | Source: Broadcast Media |
| Local broadcast media reported a large 100 year old tree being blown down by thunderstorm winds, destroying the second story of a residence. Damage is estimated at \$50,000. | | | | |
| ELKHART COUNTY --- 0.7 ESE (GSH)GOSHEN ARPT [41.53, -85.79] | | | | |
| | 04/25/08 22:58 EST | | 0 | Thunderstorm Wind (MG 50 kt) |
| | 04/25/08 22:59 EST | | 0 | Source: ASOS |
| A 58 mph wind gust was recorded at the Goshen Municipal airport ASOS. | | | | |
| ELKHART COUNTY --- 0.7 N ELKHART [41.69, -85.97] | | | | |
| | 04/25/08 23:10 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 04/25/08 23:11 EST | | 0 | Source: Law Enforcement |
| Local law enforcement reported a tree down blocking the road near the intersections of County Roads 9 and 32. | | | | |
| ELKHART COUNTY --- 0.9 SW MIDDLEBURY [41.67, -85.71] | | | | |
| | 04/25/08 23:10 EST | | 0 | Thunderstorm Wind (MG 50 kt) |
| | 04/25/08 23:11 EST | | 0 | Source: Law Enforcement |
| Local law enforcement reported trees and power lines were blown down in and around Middlebury. | | | | |
| <p>Deepening low pressure moved into northwestern Wisconsin with a strong cold front extending from it into the southern Great Lakes. Abundant moisture and a strong wind field set the state for a line of strong to severe storms to move into northwest parts of Indiana during the late evening hours of April 25th into the early morning hours of the 26th. While most activity remained below severe limits, a small cluster of storms was able to tap the strong wind fields and cause damaging winds in some areas.</p> | | | | |
| MICHIGAN, Extreme Southwest | | | | |
| BRANCH COUNTY --- 0.7 S COLDWATER [41.94, -85.00] | | | | |
| | 04/11/08 15:02 EST | | 0 | Hail (0.75 in) |
| | 04/11/08 15:03 EST | | 0 | Source: Amateur Radio |
| Amateur radio operators observed penny size hail at the Coldwater airport. | | | | |
| <p>A strong cold front worked across the area during the afternoon and evening hours of the 11th. Strong wind fields were in place along with modest instability to support narrow lines of thunderstorms. A few of these storms became strong and locally severe across far southern Lower Michigan. Spotters reported pea size hail with many of the storms, with one storm moving through the Coldwater area producing penny size hail.</p> | | | | |
| BERRIEN COUNTY --- NILES [41.83, -86.25] | | | | |
| | 04/25/08 22:46 EST | | 10K | Thunderstorm Wind (EG 55 kt) |
| | 04/25/08 22:47 EST | | 0 | Source: Newspaper |
| A local newspaper reported that a tree fell onto a car. No specifics on the car or the amount of damage was given. Damage is estimated at \$10,000. | | | | |
| CASS COUNTY --- 1.7 WSW CASSOPOLIS [41.91, -86.03] | | | | |

Storm Data and Unusual Weather Phenomena - April 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------------|
| | 04/25/08 23:01 EST | | 10K | Thunderstorm Wind (EG 55 kt) |
| | 04/25/08 23:02 EST | | 0 | Source: Law Enforcement |

Local law enforcement reported trees and power lines blown down by estimated winds of around 65 mph.

ST. JOSEPH COUNTY --- 0.7 N THREE RIVERS [41.94, -85.63]

| | | |
|--------------------|---|------------------------------|
| 04/25/08 23:13 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 04/25/08 23:14 EST | 0 | Source: Law Enforcement |

Local law enforcement reported a tree was blown down on a road in Three Rivers.

ST. JOSEPH COUNTY --- STURGIS [41.80, -85.42]

| | | |
|--------------------|---|------------------------------|
| 04/25/08 23:25 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 04/25/08 23:26 EST | 0 | Source: Law Enforcement |

Local law enforcement reported a tree down across the a road in Sturgis.

Deepening low pressure moved into northwestern Wisconsin with a strong cold front extending from it into the southern Great Lakes. Abundant moisture and a strong wind field set the state for a line of strong to severe storms to move into extreme southern Lower Michigan during the late evening hours of April 25th into the early morning hours of the 26th. While most activity remained below severe limits, a small cluster of storms was able to tap the strong wind fields and cause damaging winds in some areas.

OHIO, Northwest

PUTNAM COUNTY --- 1.3 WNW FT JENNINGS [40.91, -84.30]

| | | |
|--------------------|-----|------------------------------|
| 04/11/08 18:09 EST | 65K | Thunderstorm Wind (EG 55 kt) |
| 04/11/08 18:10 EST | 0 | Source: Emergency Manager |

Five telephone poles were damaged from strong winds, with two being snapped off in the Fort Jennings and Ottawaville area. A wood barn was blown down by the strong winds, with two nearby trees being uprooted. Damage is estimated at \$15,000 for repair and replacement of the poles and \$50,000 for the replacement of the barn.

A strong cold front worked across the area during the afternoon and evening hours of the 11th. Strong wind fields were in place along with modest instability to support narrow lines of thunderstorms. A few of these storms became strong and locally severe across northwestern Ohio. Spotters reported pea size hail with many of the storms with a few portions of the line exhibiting some bowing structures as stronger winds attempted to mix down. Some wind damage along with a funnel cloud, was reported in the Fort Jennings area.

Storm Data and Unusual Weather Phenomena - May 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|--------------------------------------|
| INDIANA, Northeast | | | | |
| STARKE COUNTY --- NORTH JUDSON [41.22, -86.78] | | | | |
| | 05/02/08 08:00 CST | | 0 | Hail (0.88 in) |
| | 05/02/08 08:01 CST | | 0 | Source: Amateur Radio |
| Amateur radio operators reported nickel size hail in North Judson. | | | | |
| STARKE COUNTY --- NORTH JUDSON [41.22, -86.78] | | | | |
| | 05/02/08 08:06 CST | | 0 | Hail (0.88 in) |
| | 05/02/08 08:07 CST | | 0 | Source: Amateur Radio |
| Additional reports of nickel size hail were reported. | | | | |
| An upper level system interacted with a somewhat unstable atmosphere resulted in the development of showers and isolated thunderstorms. Many storms produced pea-sized hail with a few storms producing hail up to the size of nickels. | | | | |
| WABASH COUNTY --- 0.8 N WABASH [40.81, -85.82] | | | | |
| | 05/30/08 17:15 EST | | 30K | Lightning |
| | 05/30/08 17:16 EST | | 0 | Source: Newspaper |
| Lightning struck a tree near the residence, causing a limb to fall onto power lines. The line caused a fire in the exterior wall, but the fire was dealt with quickly and extinguished. Damage estimates include \$10,000 for the structure and \$20,000 for contents for a total of \$30,000. | | | | |
| WABASH COUNTY --- 1.6 SE HARTMAN [40.76, -85.83], 1.6 WSW WABASH ARPT [40.76, -85.83] | | | | |
| | 05/30/08 17:15 EST | | 0.10M | Tornado (EF1, L: 0.22 mi , W: 50 yd) |
| | 05/30/08 17:18 EST | | 0 | Source: NWS Storm Survey |
| A brief touchdown was confirmed in an open field just west of a residence on South State Road 13 south of West 400 S. Several trees were damaged with a pole barn being partially destroyed. A second barn had the north wall blown towards the north and a partial roof collapse as a result. Approximately 12 power poles were snapped or pushed over along State Route 13. The damage in the area was consistent with a EF1 tornado with maximum winds estimated at around 90 mph. Two minor injuries as two people were in the barn at the time the tornado struck. | | | | |
| WABASH COUNTY --- 0.8 SSW DORA [40.79, -85.68], 0.7 SSW DORA [40.79, -85.68] | | | | |
| | 05/30/08 17:22 EST | | 40K | Tornado (EF0, L: 0.11 mi , W: 25 yd) |
| | 05/30/08 17:25 EST | | 0 | Source: NWS Storm Survey |
| Another brief tornado touched down near the intersection of 600 East and 250 S, just north of Lincolnville. After touching down in an open field, the circulation struck an older wood barn, causing the west-facing wall to fall in and some roof material to be blown off. Mud splatter was observed on the north-facing wall of the barn. A few trees were observed blown down facing west immediately north of the touchdown location. The tornado then quickly dissipated as it approached Salamonie Lake Reservoir. The damage was consistent with a EF0 with maximum winds of 80 mph. Maximum width was 25 yards and the tornado was on the ground for around one tenth of a mile. No injuries were reported. | | | | |
| HUNTINGTON COUNTY --- 3.1 NW MONUMENT CITY [40.81, -85.64], 0.6 SSW ANDREWS [40.84, -85.60] | | | | |
| | 05/30/08 17:23 EST | | 15K | Thunderstorm Wind (EG 70 kt) |
| | 05/30/08 17:29 EST | | 0 | Source: NWS Storm Survey |
| The same thunderstorm that produced the brief tornado west of Salomonie Lake continued into Huntington County. Trees and power lines were damaged in the area, as well as a garage storing two vehicles. The debris from the garage was thrown into an adjacent field, with the last debris being found just south of Andrews. Spotters and Andrews Fire Department spotters estimated winds in the 70 to 80 mph range. No injuries were reported. Damage was estimated at \$15,000. | | | | |
| MIAMI COUNTY --- 1.1 E JUNCTION [40.75, -86.01] | | | | |
| | 05/30/08 17:36 EST | | 5K | Thunderstorm Wind (EG 65 kt) |
| | 05/30/08 17:37 EST | | 0 | Source: Amateur Radio |
| Amateur radio operators reported several trees blown down as well as some roof top television antenna damage. | | | | |
| GRANT COUNTY --- 0.9 ESE SIMS [40.49, -85.85], 1.1 WSW SWAYZEE [40.49, -85.85] | | | | |
| | 05/30/08 20:55 EST | | 10K | Thunderstorm Wind (EG 55 kt) |
| | 05/30/08 20:58 EST | | 0 | Source: NWS Storm Survey |

Storm Data and Unusual Weather Phenomena - May 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|-----------|-------------------|---------------------|------------------------|
| Straight-line thunderstorms winds were determined to be the cause of damage in the 9000 block of West 400 South, just to the south of Swayzee. A carport at a residence at 9740 West 400 South was destroyed with a trailer suffering damage. Just across and down the road a tree fell down onto a house at 9800 W 400 S. A woman was going down her stairs taking shelter when she fell and hurt her arm. | | | | |

GRANT COUNTY --- 0.9 NE NORMAL [40.48, -85.82]

| | | |
|--------------------|---|------------------------------|
| 05/30/08 21:02 EST | 0 | Thunderstorm Wind (EG 60 kt) |
| 05/30/08 21:03 EST | 0 | Source: Emergency Manager |

Emergency Management officials reported a large tree down just north of Normal.

FULTON COUNTY --- ROCHESTER [41.07, -86.22]

| | | |
|--------------------|---|-------------------------|
| 05/30/08 21:45 EST | 0 | Lightning |
| 05/30/08 21:45 EST | 1 | Source: Broadcast Media |

An 18-year-old male was struck by lightning while traveling in his car near the intersection of South Park Road and West 13th Street. The bolt came through his windshield, and striking him on the shoulder. The vehicle stopped a few blocks away and he regained consciousness long enough to call his father before passing back out. He was treated and released from a local hospital with no serious injuries.

ADAMS COUNTY --- 2.8 ENE RIVARE [40.84, -84.80], 2.8 ENE RIVARE [40.84, -84.80]

| | | |
|--------------------|-------|--------------------------------------|
| 05/30/08 22:57 EST | 0.50K | Tornado (EF0, L: 0.03 mi , W: 25 yd) |
| 05/30/08 22:58 EST | 0 | Source: NWS Storm Survey |

A resident in Van Wert county Ohio observed a funnel touch down in an open field. Several trees were found blown down near the Adams County (IN) and Van Wert County (OH) line. A local clearing of corn stubble and debris was found. A shed at a nearby residence suffered some shingle damage. Damage was estimated at \$500 for the shingle damage. The tornado moved into Van Wert county Ohio.

ADAMS COUNTY --- 2.1 NNE DECATUR HI WAY ARPT [40.86, -84.85], 2.3 NNE RIVARE [40.85, -84.83]

| | | |
|--------------------|-------|------------------------------|
| 05/30/08 23:00 EST | 0.23M | Thunderstorm Wind (EG 65 kt) |
| 05/30/08 23:05 EST | 0 | Source: NWS Storm Survey |

Straight line wind damage was observed from near the intersection of State Route 101 and East 750 North southeast to just north of US 224 at North 600 East. At least five barns of varying size and age suffered damage with two destroyed. Two houses sustained minor roof and siding damage as well. Winds were estimated at around 70 mph. Damage is estimated by emergency management officials at around \$226,000.

A moderately unstable, sheared environment was in place across northern Indiana ahead of a cold front. The atmosphere remained capped until the late afternoon and evening hours, when storms began to develop rapidly. Several storms south of a Monon, Indiana to Decatur, Indiana line became strong and even in some instances severe. A few storms exhibited rotation with one tornado confirmed in Wabash County.

OHIO, Northwest

VAN WERT COUNTY --- 3.1 NNW WREN [40.84, -84.80], 3.0 NNW WREN [40.84, -84.80]

| | | |
|--------------------|-----|--------------------------------------|
| 05/30/08 22:58 EST | 60K | Tornado (EF0, L: 0.24 mi , W: 25 yd) |
| 05/30/08 22:59 EST | 0 | Source: NWS Storm Survey |

The tornado touched down near the Adams county, Indiana and Van Wert county, Ohio line. It proceeded across State Line Road and destroyed 2 closed, steel doors on a barn. The tornado dissipated over open field. Damage is estimated at \$60,000 to the barn. No injuries were reported.

VAN WERT COUNTY --- 2.1 NW CAVETT [40.97, -84.61], 1.9 N SCOTT [41.01, -84.57]

| | | |
|--------------------|-------|------------------------------|
| 05/30/08 23:00 EST | 0.20M | Thunderstorm Wind (MG 70 kt) |
| 05/30/08 23:06 EST | 0 | Source: NWS Storm Survey |

A swath of damage from winds measured as high as around 80 mph damaged several structures including a garage, barn and 2 grain bins. Several wooden power poles were also snapped. Damage in the area is estimated at \$200,000.

PAULDING COUNTY --- 1.6 E BATSON [41.02, -84.72]

| | | |
|--------------------|-----|------------------------------|
| 05/30/08 23:10 EST | 40K | Thunderstorm Wind (EG 65 kt) |
| 05/30/08 23:11 EST | 0 | Source: Emergency Manager |

Emergency management officials reported that one trailer home was blown off its slab and wrapped around a pole, with another trailer home blown away. Other reports of roof damage were received in the county but no specific locations were given. Damage is estimated at \$40,000 for the cost of the trailers.

Storm Data and Unusual Weather Phenomena - May 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|---------------------------------------|
| PUTNAM COUNTY --- 2.7 WNW GLANDORF [41.05, -84.13], 1.6 NNE GLANDORF [41.05, -84.06] | | | | |
| | 05/30/08 23:28 EST | | 1.20M | Tornado (EF0, L: 3.24 mi , W: 464 yd) |
| | 05/30/08 23:31 EST | | 0 | Source: NWS Storm Survey |

The tornado formed near Road 13I just south of Township Highway I and dissipated near the Firefox Lake Private Subdivision. As the tornado moved toward the Blanchard River it quickly widened to a peak width of 464 yards or just a little over a quarter of a mile. The tornado continued east before crossing the river again and quickly weakening. The most significant damage occurred along Township Highway I between Roads 13 and 13I. The tornado destroyed six outbuildings including pole barns and well built buildings constructed on a foundation. Over a half dozen homes were damaged with several sustaining major damage including the complete removal of roofs. A large amount of agricultural equipment and eleven vehicles were also damaged or destroyed with total monetary losses initially estimated at \$1,200,000.

A moderately unstable, sheared environment was in place across northwestern Ohio ahead of a cold front. The atmosphere remained capped until the evening hours, when storms began to develop rapidly with a few becoming severe. The severe storms were confined south of a Paulding to Leipsic line. A tornado touched down in the Glandorf area with other areas seeing straight-line wind damage.

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|------------------------------|
| INDIANA, Northeast | | | | |
| PULASKI COUNTY --- 0.9 NW FRANCESVILLE [40.99, -86.88], 1.0 N MONTEREY [41.16, -86.50] | | | | |
| | 06/04/08 18:45 CST | | 0 | Hail (2.50 in) |
| | 06/04/08 19:15 CST | | 0 | Source: Law Enforcement |
| Law enforcement officials and spotters report hail as large as tennis balls falling from the storm in the Francesville area. As the storm moved rapidly northeast towards Winamac, hail continued to fall but slowly decreased in size with golf ball size hail reported southwest of Winamac and then quarter size hail being reported in Winamac. One more round of hail slightly larger than golf balls was reported southwest of Monterey before the storm moved into Marshall County. | | | | |
| MARSHALL COUNTY --- 2.1 NE MAXINKUCKEE [41.22, -86.35] | | | | |
| | 06/04/08 20:34 EST | | 0 | Hail (0.88 in) |
| | 06/04/08 20:35 EST | | 0 | Source: Trained Spotter |
| The supercell that produced a swath of hail across Pulaski County rapidly began to weaken and dropped hail the size of nickels into the Culver area before it rapidly dissipated. | | | | |
| An outflow boundary lifted north across northwestern Indiana during the evening hours. This feature interacted with deep layer shear approximately 40 knots, CAPE at or above 1500 j/kg and a unidirectional flow. A storm in Iroquois county Illinois split and produced a left moving, anticyclonic supercell which produced hail along its track, some as large as tennis balls. The storm rapidly weakened as it got away from the best flow. | | | | |
| ST. JOSEPH COUNTY --- 4.1 NE WOODLAND [41.61, -86.12] | | | | |
| | 06/06/08 14:58 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 06/06/08 14:59 EST | | 0 | Source: NWS Employee |
| An off duty NWS employee reported scattered trees being blown down at the intersection of Dogwood and Kern Roads. | | | | |
| GRANT COUNTY --- 1.7 SW FAIRMOUNT [40.40, -85.67] | | | | |
| | 06/06/08 18:38 EST | | 5K | Thunderstorm Wind (EG 55 kt) |
| | 06/06/08 18:39 EST | | 0 | Source: Law Enforcement |
| State police reported some trees and power lines down near State Route 9 and 1050 South. | | | | |
| MIAMI COUNTY --- 0.5 W CONVERSE [40.58, -85.88] | | | | |
| | 06/06/08 18:44 EST | | 0 | Thunderstorm Wind (EG 55 kt) |
| | 06/06/08 18:45 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported several four to six inch diameter tree limbs down. | | | | |
| HUNTINGTON COUNTY --- 0.9 SE MT ETNA [40.74, -85.56] | | | | |
| | 06/06/08 18:48 EST | | 1K | Thunderstorm Wind (EG 52 kt) |
| | 06/06/08 18:49 EST | | 0 | Source: Trained Spotter |
| A trained spotter reported some tree damage and destroyed shed. Damage is estimated at \$1,000. | | | | |
| GRANT COUNTY --- 1.3 ENE MIER [40.58, -85.81] | | | | |
| | 06/06/08 18:49 EST | | 5K | Thunderstorm Wind (EG 60 kt) |
| | 06/06/08 18:50 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported power lines were down at county road 700 West and State Route 18. | | | | |
| WELLS COUNTY --- LIBERTY CENTER [40.70, -85.28] | | | | |
| | 06/06/08 18:59 EST | | 0 | Thunderstorm Wind (EG 60 kt) |
| | 06/06/08 19:00 EST | | 0 | Source: Trained Spotter |
| Trained spotters reported large trees uprooted and large limbs down. | | | | |
| WELLS COUNTY --- 0.9 NW BLUFFTON [40.74, -85.18] | | | | |

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------------|
| | 06/06/08 19:01 EST | | 0 | Thunderstorm Wind (EG 60 kt) |
| | 06/06/08 19:02 EST | | 0 | Source: Trained Spotter |

Trained spotters reported numerous tree limbs down in the city of Bluffton.

WELLS COUNTY --- 0.5 W UNIONDALE [40.83, -85.24]

| | | |
|--------------------|---|------------------------------|
| 06/06/08 19:07 EST | 0 | Thunderstorm Wind (EG 56 kt) |
| 06/06/08 19:08 EST | 0 | Source: Amateur Radio |

Amateur radio operators estimated a 65 mph wind gust in Uniondale.

GRANT COUNTY --- 1.3 ESE FOWLERTON [40.41, -85.55]

| | | |
|--------------------|-----|------------------------------|
| 06/06/08 19:08 EST | 25K | Thunderstorm Wind (EG 60 kt) |
| 06/06/08 19:09 EST | 0 | Source: Trained Spotter |

Spotters reported a semi was flipped on southbound Interstate 69 near mile marker 53.

ALLEN COUNTY --- 1.6 W WAYNE [41.02, -85.21]

| | | |
|--------------------|---|------------------------------|
| 06/06/08 19:11 EST | 0 | Thunderstorm Wind (EG 52 kt) |
| 06/06/08 19:12 EST | 0 | Source: ASOS |

The ASOS at the Fort Wayne International Airport recorded a 60 mph wind gust.

ALLEN COUNTY --- FT WAYNE [41.07, -85.13]

| | | |
|--------------------|---|------------------------------|
| 06/06/08 19:14 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 06/06/08 19:15 EST | 0 | Source: Amateur Radio |

Amateur radio operators measured a 63 mph wind gust and half-inch diameter hail.

ALLEN COUNTY --- 0.7 N WOODBURN [41.13, -84.85]

| | | |
|--------------------|---|------------------------------|
| 06/06/08 19:16 EST | 0 | Thunderstorm Wind (EG 65 kt) |
| 06/06/08 19:17 EST | 0 | Source: Trained Spotter |

A trained spotter in Woodburn measured a 75 mph wind gust.

ADAMS COUNTY --- DECATUR [40.83, -84.93]

| | | |
|--------------------|-----|------------------------------|
| 06/06/08 19:33 EST | 15K | Thunderstorm Wind (EG 55 kt) |
| 06/06/08 19:34 EST | 0 | Source: Amateur Radio |

Amateur radio operators reported numerous trees and power lines down in the city of Decatur.

WELLS COUNTY --- 0.5 E CRAIGVILLE [40.78, -85.09]

| | | |
|--------------------|---|------------------------------|
| 06/06/08 19:38 EST | 0 | Thunderstorm Wind (EG 65 kt) |
| 06/06/08 19:39 EST | 0 | Source: Amateur Radio |

Amateur radio operators reported three trees down. The trees were 24-inches in diameter and 60 feet tall.

GRANT COUNTY --- 1.4 S SHADY HILLS [40.55, -85.67]

| | | |
|--------------------|---|------------------------------|
| 06/06/08 19:47 EST | 0 | Thunderstorm Wind (EG 60 kt) |
| 06/06/08 19:48 EST | 0 | Source: Emergency Manager |

Emergency management officials reported that numerous reports of trees and power line down across the county.

ALLEN COUNTY --- NEW HAVEN [41.07, -85.02]

| | | |
|--------------------|---|------------------------------|
| 06/06/08 19:48 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 06/06/08 19:49 EST | 0 | Source: Broadcast Media |

A local television station reported a large tree down in the town of New Haven.

A line of thunderstorms moved from central into northeastern Indiana. Several reports of straight-line wind damage were reported across the area.

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|------------------------------|
| LA PORTE COUNTY --- 0.9 NW TRAIL CREEK [41.71, -86.88] | | | | |
| | 06/08/08 13:21 CST | | 10K | Thunderstorm Wind (EG 50 kt) |
| | 06/08/08 13:22 CST | | 0 | Source: Trained Spotter |
| Power lines were reported down in the Michigan City area. | | | | |
| Very unstable conditions, fast moving westerly flow, and an approaching short wave all contributed to a line of strong to severe thunderstorms. The southern part of this line extended into extreme northwestern Indiana where some wind damage was reported. | | | | |
| WELLS COUNTY --- 2.1 N BLUFFTON [40.76, -85.17] | | | | |
| | 06/09/08 14:23 EST | | 0.25M | Lightning |
| | 06/09/08 14:24 EST | | 0 | Source: Newspaper |
| Lightning struck the corner of the Farm Credit Services office in Bluffton. Employees reported a loud boom, but nothing was apparent immediately. An off duty Bluffton fire fighter in the area noticed smoke from the building and began evacuations of the building and call for personnel. The fire quickly got into the attic and the building was a total loss with damage estimates of at least \$250,000. | | | | |
| JAY COUNTY --- PORTLAND [40.43, -84.98] | | | | |
| | 06/09/08 16:35 EST | | 75K | Thunderstorm Wind (EG 60 kt) |
| | 06/09/08 16:36 EST | | 0 | Source: Law Enforcement |
| Numerous trees, tree limbs and power poles were blown down in the Bryant, Portland and Salamonias areas. | | | | |
| ALLEN COUNTY --- 0.5 W FT WAYNE [41.07, -85.14] | | | | |
| | 06/09/08 17:03 EST | | 10K | Thunderstorm Wind (EG 55 kt) |
| | 06/09/08 17:04 EST | | 0 | Source: Amateur Radio |
| Amateur radio operators reported power lines down near the intersection of State Route 14 and Interstate 69. | | | | |
| WHITLEY COUNTY --- CHURUBUSCO [41.23, -85.32] | | | | |
| | 06/09/08 17:12 EST | 0 | | Thunderstorm Wind (EG 55 kt) |
| | 06/09/08 17:13 EST | 0 | | Source: Law Enforcement |
| Trees were reported blown down in the area. | | | | |
| ALLEN COUNTY --- 0.5 W FT WAYNE [41.07, -85.14] | | | | |
| | 06/09/08 17:25 EST | | 60K | Thunderstorm Wind (EG 60 kt) |
| | 06/09/08 17:26 EST | | 0 | Source: County Official |
| County officials reported several trees down, with one tree onto a car and two others onto homes. Power lines were also reported blown down in the area. Damage is estimated at \$60,000. | | | | |
| ALLEN COUNTY --- 0.9 SE LEO [41.21, -85.01] | | | | |
| | 06/09/08 17:25 EST | 0 | | Thunderstorm Wind (EG 55 kt) |
| | 06/09/08 17:26 EST | 0 | | Source: Public |
| Trees were blown down in the area. | | | | |
| ALLEN COUNTY --- HUNTERTOWN [41.23, -85.17] | | | | |
| | 06/09/08 17:25 EST | 0 | | Thunderstorm Wind (EG 55 kt) |
| | 06/09/08 17:26 EST | 0 | | Source: Law Enforcement |
| Law enforcement officials reported several trees, tree limbs and power lines down in the northern part of the county, especially the Huntertown area. | | | | |
| DE KALB COUNTY --- 0.5 W WATERLOO [41.43, -85.03] | | | | |
| | 06/09/08 17:35 EST | 0 | | Thunderstorm Wind (EG 55 kt) |
| | 06/09/08 17:36 EST | 0 | | Source: Trained Spotter |
| Tree limbs were reported down across some roads in the area, causing brief closures and some power outages in the Waterloo area. | | | | |
| ADAMS COUNTY --- 0.7 N BERNE [40.66, -84.95] | | | | |

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------------|
| | 06/09/08 17:40 EST | | 10K | Thunderstorm Wind (EG 65 kt) |
| | 06/09/08 17:41 EST | | 0 | Source: Emergency Manager |

Emergency management officials reported significant tree damage east of Highway 27 from Berne south to Geneva. Some roads were temporarily closed as cleanup was being performed.

Several clusters of thunderstorms developed ahead of a cold front across mainly northeastern Indiana. The storms interacted with 30 to 40 knots of shear and CAPES in excess of 2000 j/kg, resulting in several reports of damaging winds.

KOSCIUSKO COUNTY --- 0.9 NW SILVER LAKE [41.08, -85.89]

| | | |
|--------------------|---|--------------------------------|
| 06/13/08 05:46 EST | 0 | Hail (0.75 in) |
| 06/13/08 05:47 EST | 0 | Source: Fire Department/Rescue |

WHITE COUNTY --- 3.5 NW BUFFALO [40.92, -86.77], 3.6 NE LEE [40.93, -86.91], 1.5 WNW MONON [40.88, -86.90], 1.9 NE BUFFALO [40.90, -86.70]

| | | |
|--------------------|---|---------------------------------|
| 06/13/08 14:10 EST | 0 | Flash Flood (due to Heavy Rain) |
| 06/13/08 15:45 EST | 0 | Source: Trained Spotter |

Law enforcement officials reported several roads closed in and around the town of Buffalo because of torrential rainfall. Trained spotters in the area reported four and a half inches of rain falling in 90 minutes. The rain quickly moved away and conditions improved shortly there after.

An outflow boundary moving in from Wisconsin and Illinois, combined with moderate shear and instability to allow for the development of a line of strong to locally severe thunderstorms across much of northern Indiana. While most of the storms remained below severe levels, a few reports of hail, damaging winds, and even some flash flooding were received.

STEBEN COUNTY --- 2.8 N FLINT [41.69, -85.13]

| | | |
|--------------------|---|------------------------------|
| 06/15/08 10:21 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 06/15/08 10:22 EST | 0 | Source: Emergency Manager |

Emergency management officials reported an 18-inch diameter tree was blown down.

STEBEN COUNTY --- 0.5 W CROOKED LAKE [41.68, -85.04]

| | | |
|--------------------|---|-----------------------|
| 06/15/08 10:30 EST | 0 | Hail (0.88 in) |
| 06/15/08 10:31 EST | 0 | Source: Amateur Radio |

During the 15th and 16th, the first in a series of three thunderstorm complexes affecting the area, moved out of Illinois into northern Indiana during the morning hours of the 15th. The storms varied in intensity occasionally becoming severe with isolated reports of wind damage and large hail.

ST. JOSEPH COUNTY --- 1.2 NW SOUTH BEND [41.68, -86.27]

| | | |
|--------------------|---|-------------------------|
| 06/15/08 15:45 EST | 0 | Hail (1.00 in) |
| 06/15/08 15:46 EST | 0 | Source: Trained Spotter |

Trained spotters at the South Bend Country Club near the South Bend Regional Airport reported quarter size hail.

ST. JOSEPH COUNTY --- 1.2 NW SOUTH BEND [41.68, -86.27]

| | | |
|--------------------|---|-------------------------|
| 06/15/08 15:51 EST | 0 | Hail (1.00 in) |
| 06/15/08 15:52 EST | 0 | Source: Trained Spotter |

ST. JOSEPH COUNTY --- 1.2 NW SOUTH BEND [41.68, -86.27]

| | | |
|--------------------|---|-------------------------|
| 06/15/08 15:54 EST | 0 | Hail (1.00 in) |
| 06/15/08 15:55 EST | 0 | Source: Trained Spotter |

Trained spotters reported quarter size hail near the intersection of Highway 23 and Douglas Road.

ST. JOSEPH COUNTY --- 1.7 ESE INDIAN VLG [41.71, -86.19]

| | | |
|--------------------|-------|-------------------------|
| 06/15/08 15:55 EST | 1M | Hail (2.75 in) |
| 06/15/08 15:56 EST | 0.25M | Source: Broadcast Media |

Numerous reports of hail as large as baseballs were received in the city of South Bend. Numerous vehicles suffered mainly dents and scratches but some broken windows were reported. Damage estimates across the area are at least one million dollars in property damage and at least \$250,000 in crop damage.

ST. JOSEPH COUNTY --- 1.2 NE MISHAWAKA [41.68, -86.15]

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|------------------------------|
| | 06/15/08 15:58 EST | | 0 | Hail (1.75 in) |
| | 06/15/08 15:59 EST | | 0 | Source: Public |
| Numerous public reports of hail ranging from the size of quarters to golf-balls. | | | | |
| ST. JOSEPH COUNTY --- 0.5 W GLENWOOD [41.67, -86.08] | | | | |
| | 06/15/08 16:02 EST | | 0 | Hail (1.00 in) |
| | 06/15/08 16:03 EST | | 0 | Source: Trained Spotter |
| ST. JOSEPH COUNTY --- 1.2 NW SPORTSMAN ARPT [41.71, -86.14] | | | | |
| | 06/15/08 16:03 EST | | 0 | Hail (1.25 in) |
| | 06/15/08 16:04 EST | | 0 | Source: Amateur Radio |
| STARKE COUNTY --- 1.0 W NORTH JUDSON [41.22, -86.80] | | | | |
| | 06/15/08 16:09 CST | | 0 | Thunderstorm Wind (EG 60 kt) |
| | 06/15/08 16:10 CST | | 0 | Source: Trained Spotter |
| Trained spotters reported numerous trees and large limbs down around the North Judson area. | | | | |
| ELKHART COUNTY --- 0.7 N ELKHART [41.69, -85.97] | | | | |
| | 06/15/08 16:12 EST | | 0 | Hail (1.00 in) |
| | 06/15/08 16:13 EST | | 0 | Source: Amateur Radio |
| Amateur radio operators reported quarter size hail on the north side of town. | | | | |
| ELKHART COUNTY --- 1.4 N ELKHART [41.70, -85.97] | | | | |
| | 06/15/08 16:12 EST | | 0 | Hail (1.00 in) |
| | 06/15/08 16:13 EST | | 0 | Source: Amateur Radio |
| ELKHART COUNTY --- 0.7 N ELKHART [41.69, -85.97] | | | | |
| | 06/15/08 16:13 EST | | 0 | Hail (0.75 in) |
| | 06/15/08 16:14 EST | | 0 | Source: Trained Spotter |
| ST. JOSEPH COUNTY --- MISHAWAKA [41.67, -86.17] | | | | |
| | 06/15/08 16:16 EST | | 0 | Hail (1.25 in) |
| | 06/15/08 16:17 EST | | 0 | Source: Broadcast Media |
| Numerous phone calls into local television stations reported hail up to the size of silver dollars. | | | | |
| FULTON COUNTY --- 0.5 W KEWANNA [41.02, -86.41] | | | | |
| | 06/15/08 17:05 EST | | 0.10M | Hail (1.00 in) |
| | 06/15/08 17:06 EST | | 0 | Source: County Official |
| County officials also reported numerous trees and power lines down across the southern part of the county. | | | | |
| WHITE COUNTY --- 1.0 W BUFFALO [40.88, -86.75] | | | | |
| | 06/15/08 17:15 EST | | 45K | Thunderstorm Wind (EG 56 kt) |
| | 06/15/08 17:16 EST | | 0 | Source: Emergency Manager |
| Emergency management officials surveyed the area and found one-half of a trailer home roof had been blown off. Minor damage was observed to other mobile homes as well. In addition, the crossing gate on a railroad crossing at 900 South and State Route 43 was broken off. Damage is estimated at \$45,000. | | | | |
| KOSCIUSKO COUNTY --- 0.9 NE NORTH WEBSTER [41.33, -85.69] | | | | |
| | 06/15/08 17:23 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 06/15/08 17:24 EST | | 0 | Source: NWS Storm Survey |
| A NWS official investigated a report of a tree down onto a house on the north side of North Webster. The tree was blown down, but laid out across the top of the house and no damage was reported to the structure by fire department officials. | | | | |
| KOSCIUSKO COUNTY --- 0.9 NE OSWEGO [41.33, -85.77] | | | | |

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|-----------------------------------|
| | 06/15/08 17:23 EST | | 0 | Hail (0.75 in) |
| | 06/15/08 17:24 EST | | 0 | Source: Trained Spotter |
| KOSCIUSKO COUNTY --- 1.4 N NORTH WEBSTER [41.34, -85.70] | | | | |
| | 06/15/08 17:23 EST | | 0 | Hail (0.88 in) |
| | 06/15/08 17:24 EST | | 0 | Source: Official NWS Observations |
| Nickel size hail was observed by NWS Northern Indiana staff at the office. | | | | |
| CASS COUNTY --- 0.5 W LOGANSPOUT [40.75, -86.36] | | | | |
| | 06/15/08 17:39 EST | | 50K | Thunderstorm Wind (EG 55 kt) |
| | 06/15/08 17:40 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported numerous trees and power lines down across the county. In addition, a home in the city of Logansport had two of its windows shattered. | | | | |
| WABASH COUNTY --- NORTH MANCHESTER [41.00, -85.77] | | | | |
| | 06/15/08 17:50 EST | | 50K | Lightning |
| | 06/15/08 17:50 EST | | 0 | Source: Newspaper |
| Lightning struck a house on State Route 13 in the city of North Manchester, causing extensive damage to the residence. No injuries were reported but damage is estimated at \$50,000. | | | | |
| FULTON COUNTY --- 1.3 WSW AKRON [41.04, -86.02] | | | | |
| | 06/15/08 17:52 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 06/15/08 17:53 EST | | 0 | Source: Trained Spotter |
| Trained spotters reported large limbs down in the Akron area. | | | | |
| MIAMI COUNTY --- PERU [40.75, -86.07] | | | | |
| | 06/15/08 17:57 EST | | 50K | Thunderstorm Wind (EG 55 kt) |
| | 06/15/08 17:58 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported numerous trees and power lines down in Peru. | | | | |
| WHITLEY COUNTY --- 2.1 NE TRI LAKES [41.27, -85.40] | | | | |
| | 06/15/08 17:57 EST | | 0 | Thunderstorm Wind (EG 52 kt) |
| | 06/15/08 17:58 EST | | 0 | Source: Amateur Radio |
| Amateur radio operators estimated a 60 mph wind gust at 100 East and US 33. | | | | |
| MIAMI COUNTY --- 0.7 S DEEDSVILLE [40.91, -86.10] | | | | |
| | 06/15/08 18:05 EST | | 75K | Thunderstorm Wind (EG 60 kt) |
| | 06/15/08 18:06 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported numerous trees and power lines down around Deedsville. A barn was blown down and some vehicles were moved by the strong winds. Damage is estimated at \$75,000. | | | | |
| HUNTINGTON COUNTY --- 3.0 ESE GOBLESVILLE [40.96, -85.47] | | | | |
| | 06/15/08 18:12 EST | | 0 | Thunderstorm Wind (EG 52 kt) |
| | 06/15/08 18:13 EST | | 0 | Source: Trained Spotter |
| A trained spotter estimated 60 mph winds west of Roanoke. | | | | |
| ALLEN COUNTY --- (FWA)BAER FLD FT WAY [40.98, -85.18] | | | | |
| | 06/15/08 18:22 EST | | 0 | Thunderstorm Wind (MG 54 kt) |
| | 06/15/08 18:23 EST | | 0 | Source: ASOS |
| A wind gust of 62 mph was recorded at the Fort Wayne International Airport. | | | | |
| ALLEN COUNTY --- NINE MILE [40.98, -85.22] | | | | |

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------------|
| | 06/15/08 18:24 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 06/15/08 18:25 EST | | 25K | Source: Trained Spotter |

Trained spotters reported several tree limbs down along a with a four foot wide area of corn being laid down.

GRANT COUNTY --- 0.9 NE SWAYZEE [40.51, -85.82]

| | | |
|--------------------|---|------------------------------|
| 06/15/08 18:25 EST | 0 | Thunderstorm Wind (EG 61 kt) |
| 06/15/08 18:26 EST | 0 | Source: Emergency Manager |

Emergency management officials reported numerous trees down with winds estimated as high as 70 mph in the Swayzee area.

ALLEN COUNTY --- 1.2 NNW HUGO [41.07, -85.19]

| | | |
|--------------------|---|------------------------------|
| 06/15/08 18:30 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 06/15/08 18:31 EST | 0 | Source: Amateur Radio |

Amateur radio operators reported a tree being blown down, blocking the road, at the intersection of Taylor and Ardmore on the west side of Fort Wayne.

GRANT COUNTY --- 1.4 S SHADY HILLS [40.55, -85.67]

| | | |
|--------------------|-----|------------------------------|
| 06/15/08 18:35 EST | 50K | Thunderstorm Wind (EG 55 kt) |
| 06/15/08 18:36 EST | 0 | Source: Emergency Manager |

Emergency management officials reported numerous trees and power lines down in and around Marion.

GRANT COUNTY --- 1.6 W MIER [40.57, -85.86]

| | | |
|--------------------|-----|------------------------------|
| 06/15/08 18:38 EST | 10K | Thunderstorm Wind (EG 55 kt) |
| 06/15/08 18:39 EST | 0 | Source: Trained Spotter |

Trained spotters reported trees and power lines down west of Sweetser.

MIAMI COUNTY --- 0.9 NW BUNKER HILL [40.68, -86.11]

| | | |
|--------------------|-----|------------------------------|
| 06/15/08 18:45 EST | 15K | Thunderstorm Wind (EG 60 kt) |
| 06/15/08 18:46 EST | 0 | Source: Emergency Manager |

Emergency management officials reported a large tree and power lines down, blocking the road, near Bunker Hill.

ADAMS COUNTY --- DECATUR [40.83, -84.93]

| | | |
|--------------------|-----|------------------------------|
| 06/15/08 18:58 EST | 10K | Thunderstorm Wind (EG 50 kt) |
| 06/15/08 18:59 EST | 0 | Source: County Official |

County officials reported a tree branch down onto a power line with other power outages in the area.

JAY COUNTY --- PORTLAND [40.43, -84.98]

| | | |
|--------------------|---|------------------------------|
| 06/15/08 19:28 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 06/15/08 19:29 EST | 0 | Source: County Official |

County officials reported three trees were blown down in the Portland area.

Morning convection helped stabilize the area until early afternoon when strong heating and an approaching short wave and front set the stage for rapid thunderstorm development. While instability was considered moderate, steep mid-level lapse rates allowed for a favorable profile for large hail and damaging winds. The storms began as very proficient hail producers and evolved into causing wind damage as they evolved.

WABASH COUNTY --- 0.7 S ROANN [40.91, -85.92]

| | | |
|--------------------|---|---------------------------|
| 06/16/08 02:00 EST | 0 | Hail (1.00 in) |
| 06/16/08 02:01 EST | 0 | Source: Emergency Manager |

WABASH COUNTY --- 0.7 N LAGRO [40.84, -85.73]

| | | |
|--------------------|-----|---------------------------|
| 06/16/08 02:10 EST | 0 | Hail (0.88 in) |
| 06/16/08 02:11 EST | 10K | Source: Emergency Manager |

Emergency management officials reported nickel-size hail one-half mile north of US 24, north of Lagro. The hail caused some damage to corn in the area. Damage is estimated at \$10,000.

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|--------------------------------|
| Several outflow boundaries remained across much of northern Indiana in the wake of early storm. Scattered storms developed with one becoming severe across Wabash County with hail to the size of quarters being reported. The storm quickly collapsed and dissipated in Huntington County. | | | | |
| FULTON COUNTY --- 1.4 N TALMA [41.17, -86.13] | | | | |
| | 06/21/08 11:10 EST | | 0 | Hail (0.88 in) |
| | 06/21/08 11:11 EST | | 0 | Source: Fire Department/Rescue |
| PULASKI COUNTY --- 4.7 W DENHAM [41.15, -86.81] | | | | |
| | 06/21/08 11:33 CST | | 5K | Thunderstorm Wind (EG 50 kt) |
| | 06/21/08 11:34 CST | | 0 | Source: County Official |
| County officials reported power lines down west of Denham. | | | | |
| FULTON COUNTY --- 2.2 WSW AKRON [41.04, -86.04] | | | | |
| | 06/21/08 11:48 EST | | 0 | Hail (1.00 in) |
| | 06/21/08 11:49 EST | | 0 | Source: Trained Spotter |
| ALLEN COUNTY --- 0.5 E HUGO [41.05, -85.17] | | | | |
| | 06/21/08 11:55 EST | | 0 | Hail (0.75 in) |
| | 06/21/08 11:56 EST | | 0 | Source: Trained Spotter |
| WHITLEY COUNTY --- 3.2 WNW LUTHER [41.01, -85.63] | | | | |
| | 06/21/08 12:00 EST | | 0 | Hail (0.75 in) |
| | 06/21/08 12:01 EST | | 0 | Source: Trained Spotter |
| ALLEN COUNTY --- 0.5 W FT WAYNE [41.07, -85.14] | | | | |
| | 06/21/08 12:03 EST | | 0 | Hail (1.00 in) |
| | 06/21/08 12:04 EST | | 0 | Source: Amateur Radio |
| WHITLEY COUNTY --- 3.2 SSW LAUD [41.01, -85.48] | | | | |
| | 06/21/08 12:08 EST | | 0 | Hail (1.75 in) |
| | 06/21/08 12:09 EST | | 0 | Source: Public |
| FULTON COUNTY --- 1.4 N TALMA [41.17, -86.13] | | | | |
| | 06/21/08 12:13 EST | | 0 | Hail (1.00 in) |
| | 06/21/08 12:14 EST | | 0 | Source: Fire Department/Rescue |
| WHITLEY COUNTY --- 0.7 S COLUMBIA CITY [41.16, -85.48] | | | | |
| | 06/21/08 12:26 EST | | 0 | Hail (1.00 in) |
| | 06/21/08 12:27 EST | | 0 | Source: Trained Spotter |
| HUNTINGTON COUNTY --- 2.6 NW HUNTINGTON [40.91, -85.51] | | | | |
| | 06/21/08 12:27 EST | | 0 | Hail (1.00 in) |
| | 06/21/08 12:28 EST | | 0 | Source: Emergency Manager |
| PULASKI COUNTY --- 4.7 W DENHAM [41.15, -86.81] | | | | |
| | 06/21/08 12:33 CST | | 5K | Thunderstorm Wind (EG 50 kt) |
| | 06/21/08 12:34 CST | | 0 | Source: County Official |
| County officials reported power lines down west of Denham. | | | | |
| ALLEN COUNTY --- 1.7 NW NINE MILE [41.00, -85.24] | | | | |
| | 06/21/08 12:40 EST | | 0 | Hail (0.75 in) |
| | 06/21/08 12:41 EST | | 0 | Source: Public |
| KOSCIUSKO COUNTY --- 0.9 NE OSWEGO [41.33, -85.77] | | | | |

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------------|
| | 06/21/08 12:45 EST | | 0 | Thunderstorm Wind (EG 55 kt) |
| | 06/21/08 12:46 EST | | 0 | Source: Trained Spotter |

A trained spotter reported a large tree being blown down blocking a cul-de-sac in Stanton Lakes Estates on the south side of Tippecanoe Lake.

| | | | | |
|---|--------------------|--|---|------------------------------|
| STEBEN COUNTY --- 0.5 W SALEM CENTER [41.58, -85.16] | | | | |
| | 06/21/08 13:35 EST | | 0 | Thunderstorm Wind (EG 60 kt) |
| | 06/21/08 13:36 EST | | 0 | Source: Trained Spotter |

Trained spotters reported a 22-inch diameter maple tree snapped off and other large limbs down west of Salem Center.

| | | | | |
|--|--------------------|--|----|------------------------------|
| STEBEN COUNTY --- 0.9 SE SALEM CENTER [41.57, -85.14] | | | | |
| | 06/21/08 13:38 EST | | 5K | Thunderstorm Wind (EG 55 kt) |
| | 06/21/08 13:39 EST | | 0 | Source: Amateur Radio |

Amateur radio operators reported a tree falling onto a house trailer. Damage is estimated at \$5,000.

| | | | | |
|---|--------------------|--|---|------------------------------|
| STEBEN COUNTY --- 0.9 SE FLINT [41.64, -85.12] | | | | |
| | 06/21/08 13:44 EST | | 0 | Thunderstorm Wind (EG 51 kt) |
| | 06/21/08 13:45 EST | | 0 | Source: Amateur Radio |

Amateur radio operators measured a 59 mph wind gusts at the Tri State Steuben county airport.

| | | | | |
|---|--------------------|--|---|------------------------------|
| LAGRANGE COUNTY --- 2.1 SW STROH [41.56, -85.23] | | | | |
| | 06/21/08 13:50 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 06/21/08 13:51 EST | | 0 | Source: Amateur Radio |

Amateur radio operators reported a two-foot diameter tree being blown down.

A cluster of thunderstorms developed during the morning hours across portions of central Illinois in advance of a weak trough and upper level system. These storms expanded and intensified as they moved into northern Indiana, producing areas of wind damage and hail.

| | | | | |
|--|--------------------|--|---|-------------------------|
| ELKHART COUNTY --- 1.7 ESE MIDDLEBURY [41.67, -85.67] | | | | |
| | 06/22/08 11:24 EST | | 0 | Hail (0.75 in) |
| | 06/22/08 11:25 EST | | 0 | Source: Trained Spotter |

| | | | | |
|--|--------------------|--|---|-------------------------|
| LAGRANGE COUNTY --- 3.3 SW SHIPSHEWANA FLD ARPT [41.67, -85.65] | | | | |
| | 06/22/08 11:24 EST | | 0 | Hail (0.75 in) |
| | 06/22/08 11:25 EST | | 0 | Source: Trained Spotter |

| | | | | |
|---|--------------------|--|---|-------------------------|
| PULASKI COUNTY --- 1.0 E WINAMAC [41.05, -86.60] | | | | |
| | 06/22/08 11:24 CST | | 0 | Hail (1.00 in) |
| | 06/22/08 11:25 CST | | 0 | Source: Trained Spotter |

| | | | | |
|---|--------------------|--|---|--------------------------------|
| PULASKI COUNTY --- 1.0 E WINAMAC [41.05, -86.60] | | | | |
| | 06/22/08 11:28 CST | | 0 | Hail (1.00 in) |
| | 06/22/08 11:29 CST | | 0 | Source: Fire Department/Rescue |

Hail up to the size of quarters covered the ground.

| | | | | |
|---|--------------------|--|---|-------------------------|
| PULASKI COUNTY --- 0.5 E MEDARYVILLE [41.08, -86.89] | | | | |
| | 06/22/08 12:53 CST | | 0 | Hail (1.00 in) |
| | 06/22/08 12:54 CST | | 0 | Source: Law Enforcement |

| | | | | |
|---|--------------------|--|---|------------------|
| PULASKI COUNTY --- 1.7 NW LAKESIDE [40.95, -86.75] | | | | |
| | 06/22/08 13:10 CST | | 0 | Hail (1.00 in) |
| | 06/22/08 13:25 CST | | 0 | Source: CoCoRaHS |

Hail of sizes as large as quarters fell for a period of about 15 minutes, causing some minor leaf damage to trees.

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|---------------------------|
| DE KALB COUNTY --- 1.0 W AUBURN [41.37, -85.07] | | | | |
| | 06/22/08 14:05 EST | | 0 | Hail (1.00 in) |
| | 06/22/08 14:06 EST | | 0 | Source: Trained Spotter |
| Trained spotters reported hail up to the size of quarters. | | | | |
| CASS COUNTY --- 1.3 WNW LOGANSPOUT [40.76, -86.37] | | | | |
| | 06/22/08 14:38 EST | | 0 | Hail (0.75 in) |
| | 06/22/08 14:39 EST | | 0 | Source: Law Enforcement |
| CASS COUNTY --- 1.5 NNW LOGANSPOUT [40.77, -86.36] | | | | |
| | 06/22/08 14:46 EST | | 0 | Hail (1.00 in) |
| | 06/22/08 14:47 EST | | 0 | Source: Law Enforcement |
| KOSCIUSKO COUNTY --- 2.8 S OSWEGO [41.28, -85.79] | | | | |
| | 06/22/08 14:46 EST | | 0 | Hail (0.75 in) |
| | 06/22/08 14:47 EST | | 0 | Source: Trained Spotter |
| KOSCIUSKO COUNTY --- BARBEE [41.30, -85.72] | | | | |
| | 06/22/08 14:50 EST | | 0 | Hail (1.00 in) |
| | 06/22/08 14:51 EST | | 0 | Source: NWS Employee |
| KOSCIUSKO COUNTY --- 0.7 N NORTH WEBSTER [41.33, -85.70] | | | | |
| | 06/22/08 14:54 EST | | 0 | Hail (0.88 in) |
| | 06/22/08 14:55 EST | | 0 | Source: Trained Spotter |
| CASS COUNTY --- 0.5 W LOGANSPOUT [40.75, -86.36] | | | | |
| | 06/22/08 15:06 EST | | 0 | Hail (1.00 in) |
| | 06/22/08 15:07 EST | | 0 | Source: Law Enforcement |
| Law enforcement officials reported hail up to the size of quarters covering the ground. | | | | |
| MIAMI COUNTY --- 0.7 S NEAD [40.71, -86.13] | | | | |
| | 06/22/08 15:12 EST | | 0 | Hail (1.75 in) |
| | 06/22/08 15:13 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported a spotter observed golf-ball size hail at the corner of US-31 and county road 400 South. | | | | |
| MIAMI COUNTY --- 1.4 S (GUS)GRISSOM AFB PER [40.63, -86.15] | | | | |
| | 06/22/08 15:17 EST | | 0 | Hail (1.75 in) |
| | 06/22/08 15:18 EST | | 0 | Source: Emergency Manager |
| LA PORTE COUNTY --- 0.9 SW WESTVILLE [41.54, -86.91] | | | | |
| | 06/22/08 17:44 CST | | 0 | Hail (0.88 in) |
| | 06/22/08 17:45 CST | | 0 | Source: Law Enforcement |
| Law enforcement officials reported nickel size hail at US 421 and US 2. | | | | |
| ST. JOSEPH COUNTY --- 1.7 ESE INDIAN VLG [41.71, -86.19] | | | | |
| | 06/22/08 19:30 EST | | 1M | Lightning |
| | 06/22/08 19:31 EST | | 0 | Source: Newspaper |
| Lightning struck the corner of one of the apartment buildings in the Indiana Lakes Apartment complex. At least four apartments, all on the third floor, were destroyed. Eight apartments on the second floor suffered extensive water damage and many on the first floor have both smoke and water damage. Luckily, a firewall prevented the fire from spreading to adjacent areas. Damage is estimated at one million dollars for structure and contents. No injuries were reported. | | | | |
| Another weak wave tracked across the area, allowing numerous storms to develop. Several produced one-quarter to half-inch size hail, but a few better-organized storms produced isolated golf-ball sized hail. | | | | |

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|-------------------------------------|
| ALLEN COUNTY --- 3.0 ENE HESSAN CASTLE [41.00, -85.03] | | | | |
| | 06/25/08 16:15 EST | | 0 | Hail (0.75 in) |
| | 06/25/08 16:16 EST | | 0 | Source: Trained Spotter |
| ALLEN COUNTY --- 0.5 W FT WAYNE [41.07, -85.14] | | | | |
| | 06/25/08 16:25 EST | | 0 | Thunderstorm Wind (EG 55 kt) |
| | 06/25/08 16:26 EST | | 0 | Source: Law Enforcement |
| A large tree was blown down near mile marker 118 on Interstate 69 in Fort Wayne. | | | | |
| WELLS COUNTY --- 0.7 N BLUFFTON [40.74, -85.17] | | | | |
| | 06/25/08 17:10 EST | | 0 | Thunderstorm Wind (EG 60 kt) |
| | 06/25/08 17:11 EST | | 0 | Source: Law Enforcement |
| Law enforcement officials reported several approximately 6-inch diameter tree limbs down. A 20-foot steel pipe flagpole was bent over to the ground as well. | | | | |
| WELLS COUNTY --- 2.6 SE CRAIGVILLE [40.75, -85.07] | | | | |
| | 06/25/08 17:15 EST | | 0 | Thunderstorm Wind (EG 55 kt) |
| | 06/25/08 17:16 EST | | 0 | Source: Law Enforcement |
| A large tree was reported blown down north of US 124 and county road 700 west near the Adams and Wells county line. | | | | |
| A weak warm front became stationary from Laporte to Portland. This combined with an approaching upper wave, moderate shear and instability to allow for thunderstorm development, some of which became severe. | | | | |
| HUNTINGTON COUNTY --- 1.6 W HUNTINGTON [40.88, -85.51] | | | | |
| | 06/26/08 13:45 EST | | 25K | Thunderstorm Wind (EG 55 kt) |
| | 06/26/08 13:46 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported two semi-trucks were blown off Interstate 69, one at mile marker 72 and the other mile marker 75. Damage is estimated at \$25,000. | | | | |
| GRANT COUNTY --- FAIRMOUNT [40.42, -85.65] | | | | |
| | 06/26/08 14:50 EST | | 0 | Thunderstorm Wind (EG 55 kt) |
| | 06/26/08 14:51 EST | | 0 | Source: Law Enforcement |
| Law enforcement officials reported a tree fell onto a house, sparking a fire. No information on the condition of the house was available. | | | | |
| A stationary boundary across the area combined with remnants of overnight convection. This interacted with moderate instability to allow for numerous thunderstorms, a few of which reached severe levels. | | | | |
| ALLEN COUNTY --- 0.5 W FT WAYNE [41.07, -85.14] | | | | |
| | 06/27/08 14:15 EST | | 10K | Thunderstorm Wind (EG 50 kt) |
| | 06/27/08 14:16 EST | | 0 | Source: Law Enforcement |
| Law enforcement officials reported tree branches and some power lines down in the city of Fort Wayne. | | | | |
| The area was affected by the northern fringe of a line of strong to severe thunderstorms in advance of a weak wave. Isolated wind damage with a collapsing storm was noted in the Fort Wayne area. | | | | |
| LAKE MICHIGAN | | | | |
| MICHIGAN CITY IN TO NEW BUFFALO MI COUNTY --- 0.9 NW MICHIGAN CITY [41.73, -86.91] | | | | |
| | 06/15/08 08:30 EST | | 0 | Marine Thunderstorm Wind (MG 56 kt) |
| | 06/15/08 08:31 EST | | 0 | Source: C-MAN Station |
| A 64 mph wind gust was recorded at the Michigan City GLERL site. | | | | |
| NEW BUFFALO TO ST JOSEPH MI COUNTY --- ST. JOSEPH HARBOR [42.10, -86.48] | | | | |

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|-------------------------------------|
| | 06/15/08 09:30 EST | | 0 | Marine Thunderstorm Wind (MG 42 kt) |
| | 06/15/08 09:31 EST | | 0 | Source: C-MAN Station |

A 48 mph wind gust was recorded at the Saint Joseph Michigan GLERL site.

The northern edge of an area of thunderstorms moved across Lake Michigan, producing strong winds.

MICHIGAN, Extreme Southwest

BERRIEN COUNTY --- GALIEN [41.80, -86.50]

| | | |
|--------------------|---|------------------------------|
| 06/06/08 14:56 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 06/06/08 14:57 EST | 0 | Source: Law Enforcement |

Law enforcement officials reported several trees down.

CASS COUNTY --- 2.1 NE INDIAN LAKE [42.02, -86.17]

| | | |
|--------------------|-----|------------------------------|
| 06/06/08 15:45 EST | 10K | Thunderstorm Wind (EG 55 kt) |
| 06/06/08 15:46 EST | 0 | Source: Amateur Radio |

Amateur radio operators reported a tree down onto an occupied house. No injuries were reported. Damage is estimated at \$10,000.

ST. JOSEPH COUNTY --- 0.5 E WHITE PIGEON [41.80, -85.62]

| | | |
|--------------------|---|------------------------------|
| 06/06/08 16:27 EST | 0 | Thunderstorm Wind (EG 52 kt) |
| 06/06/08 16:28 EST | 0 | Source: Amateur Radio |

ST. JOSEPH COUNTY --- CENTREVILLE [41.92, -85.53]

| | | |
|--------------------|-----|------------------------------|
| 06/06/08 17:06 EST | 10K | Thunderstorm Wind (EG 60 kt) |
| 06/06/08 17:07 EST | 0 | Source: Trained Spotter |

Trained spotters reported trees uprooted as well as power lines down in the area.

A line of thunderstorms moved from northeastern Indiana into portions of far southern Lower Michigan. Straight-line wind damage was reported across the area.

BRANCH COUNTY --- 0.7 S COLDWATER [41.94, -85.00]

| | | |
|--------------------|-----|------------------------------|
| 06/08/08 16:02 EST | 15K | Thunderstorm Wind (EG 50 kt) |
| 06/08/08 16:03 EST | 0 | Source: Amateur Radio |

Trees and power lines down were reported down in parts of the county, including the Coldwater area.

Very unstable conditions, fast moving westerly flow, and an approaching short wave all contributed to a line of strong to severe thunderstorms. The southern part of this line extended into extreme southwestern Indiana where some wind damage was reported.

BERRIEN COUNTY --- 0.5 W BERRIEN SPGS [41.95, -86.34]

| | | |
|--------------------|---|------------------------------|
| 06/13/08 04:27 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 06/13/08 04:28 EST | 0 | Source: County Official |

County officials reported a tree being blown down onto Snow Road near the intersection of Redbud and Gar in Berrien Springs.

An outflow boundary moving in from Wisconsin and Illinois, combined with moderate shear and instability to allow for the development of a line of strong to locally severe thunderstorms across far southern Lower Michigan. Some wind damage was reported in Berrien County, but the system weakened as it moved east.

BERRIEN COUNTY --- 0.7 N NEW BUFFALO [41.79, -86.75]

| | | |
|--------------------|---|------------------------------|
| 06/15/08 08:43 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 06/15/08 08:44 EST | 0 | Source: Trained Spotter |

Trained spotters reported several trees being blown down.

BERRIEN COUNTY --- BUCHANAN [41.83, -86.37]

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------------|
| | 06/15/08 09:05 EST | | 15K | Thunderstorm Wind (EG 50 kt) |
| | 06/15/08 09:06 EST | | 0 | Source: County Official |

County officials reported several trees and power lines down in and around the Buchanan area.

CASS COUNTY --- 3.2 SSW EAGLE PT [41.84, -86.01]

| | | |
|--------------------|---|------------------------------|
| 06/15/08 09:17 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 06/15/08 09:18 EST | 0 | Source: County Official |

County officials reported several trees were blown down.

The first in a series of three thunderstorm complexes that affected the area during the 15th and 16th moved out of Illinois into far southern lower Michigan during the morning hours of the 15th. The storms varied in intensity occasionally becoming severe with a handful of wind damage reports.

BRANCH COUNTY --- 2.8 S HODUNK [41.98, -85.06]

| | | |
|--------------------|---|---------------------------|
| 06/15/08 16:12 EST | 0 | Hail (0.75 in) |
| 06/15/08 16:13 EST | 0 | Source: Emergency Manager |

ST. JOSEPH COUNTY --- 0.7 N COLON [41.96, -85.32]

| | | |
|--------------------|---|-------------------------|
| 06/15/08 16:26 EST | 0 | Hail (0.75 in) |
| 06/15/08 16:27 EST | 0 | Source: Trained Spotter |

ST. JOSEPH COUNTY --- 1.5 NNW WASEPI [41.95, -85.46]

| | | |
|--------------------|---|-------------------------|
| 06/15/08 16:34 EST | 0 | Hail (0.75 in) |
| 06/15/08 16:35 EST | 0 | Source: Trained Spotter |

BRANCH COUNTY --- 0.7 S COLDWATER [41.94, -85.00]

| | | |
|--------------------|-----|------------------------------|
| 06/15/08 17:12 EST | 25K | Thunderstorm Wind (EG 55 kt) |
| 06/15/08 17:13 EST | 0 | Source: Emergency Manager |

Emergency management officials reported numerous trees and power lines down across the county.

HILLSDALE COUNTY --- 0.5 E WALDRON [41.72, -84.42]

| | | |
|--------------------|-----|------------------------------|
| 06/15/08 17:22 EST | 10K | Thunderstorm Wind (EG 55 kt) |
| 06/15/08 17:23 EST | 0 | Source: Law Enforcement |

Law enforcement reported trees and power lines down in and around the Waldron area.

Morning convection stabilized the area until early afternoon when strong heating and an approaching short wave and front set the stage for rapid thunderstorm development. While instability was considered moderate, steep mid-level lapse rates allowed for a favorable profile for large hail and damaging winds. The storms began as very proficient hail producers and evolved into causing wind damage as they evolved.

HILLSDALE COUNTY --- 1.2 NW HILLSDALE [41.93, -84.64]

| | | |
|--------------------|---|------------------------------|
| 06/26/08 14:06 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 06/26/08 14:07 EST | 0 | Source: Emergency Manager |

Emergency management officials reported tree limbs and a few trees down in and around Hillsdale.

A stationary boundary across the area combined with remnants of overnight convection. This interacted with moderate instability to allow for numerous thunderstorms, a few of which reached severe levels.

OHIO, Northwest

PAULDING COUNTY --- 0.9 NW PAULDING [41.14, -84.58]

| | | |
|--------------------|-----|------------------------------|
| 06/06/08 19:35 EST | 25K | Thunderstorm Wind (EG 61 kt) |
| 06/06/08 19:36 EST | 0 | Source: Emergency Manager |

Emergency management officials reported estimated winds of at least 70 mph in many parts of the county with trees and tree limbs down. A tree was reported down onto a garage in the Paulding area.

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|---------------------------------------|
| VAN WERT COUNTY --- 2.9 SW WETSEL [40.92, -84.47], 2.4 SW WETSEL [40.92, -84.46] | | | | |
| | 06/06/08 19:44 EST | | 5K | Tornado (EF0, L: 0.45 mi , W: 100 yd) |
| | 06/06/08 19:46 EST | | 0 | Source: NWS Storm Survey |
| The tornado touched down on the northeast side of the intersection of Convoy Road and tracked northeast towards a residence. Numerous trees were snapped, uprooted and topped. The house suffered siding and roof damage. Path length was around one half mile and 100 yards wide. Damage is estimated at \$5,000. | | | | |
| DEFIANCE COUNTY --- 0.5 W DEFIANCE [41.28, -84.36] | | | | |
| | 06/06/08 19:51 EST | | 0 | Thunderstorm Wind (EG 55 kt) |
| | 06/06/08 19:52 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported numerous trees and tree limbs were down in and around Defiance. | | | | |
| PUTNAM COUNTY --- 0.5 E OTTAWA [41.02, -84.04] | | | | |
| | 06/06/08 19:54 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 06/06/08 19:55 EST | | 0 | Source: Trained Spotter |
| A trained spotter reported a tree was blown down. | | | | |
| PAULDING COUNTY --- 0.9 NW ARTHUR [41.21, -84.36] | | | | |
| | 06/06/08 20:02 EST | | 5K | Thunderstorm Wind (EG 55 kt) |
| | 06/06/08 20:03 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported a power pole was blown down. | | | | |
| PUTNAM COUNTY --- GLANDORF [41.03, -84.08] | | | | |
| | 06/06/08 20:25 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 06/06/08 20:26 EST | | 0 | Source: Trained Spotter |
| Spotters reported several branches of three to five inches in diameter being blown down. | | | | |
| A line of thunderstorms moved from central and northeastern Indiana into portions of northwestern Ohio. Several reports of straight-line wind damage were reported across the area. In one small area, a storm survey revealed a brief tornado developed and produced a short path of damage near Wetsel in Van Wert County. | | | | |
| VAN WERT COUNTY --- OHIO CITY [40.77, -84.62] | | | | |
| | 06/09/08 17:10 EST | | 0 | Thunderstorm Wind (EG 70 kt) |
| | 06/09/08 17:11 EST | | 0 | Source: Amateur Radio |
| Amateur radio operators recorded a 80 mph wind gust in the Ohio City area. | | | | |
| VAN WERT COUNTY --- 1.3 WNW MIDDLE PT [40.86, -84.45] | | | | |
| | 06/09/08 17:15 EST | | 50K | Thunderstorm Wind (EG 70 kt) |
| | 06/09/08 17:16 EST | | 0 | Source: NWS Storm Survey |
| Numerous reports of damage to trees, power lines and poles were received across Van Wert County, especially in the Middle Point area. One wind gust of 72 mph was recorded near the area of damage, but signs of winds as high as 80 mph were observed. A car was pushed off the road near Chenowith Rd in the Middle Point area. | | | | |
| VAN WERT COUNTY --- 2.9 SW WETSEL [40.92, -84.47] | | | | |
| | 06/09/08 17:15 EST | | 0 | Thunderstorm Wind (EG 61 kt) |
| | 06/09/08 17:16 EST | | 0 | Source: NWS Storm Survey |
| Numerous trees were determined to have been blown down by straight-line winds. | | | | |
| ALLEN COUNTY --- 0.9 SW LIMA [40.74, -84.11] | | | | |
| | 06/09/08 17:20 EST | | 0 | Thunderstorm Wind (EG 54 kt) |
| | 06/09/08 17:21 EST | | 0 | Source: Trained Spotter |
| ALLEN COUNTY --- 0.9 NW GOMER [40.84, -84.19] | | | | |

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------------|
| | 06/09/08 17:27 EST | | 20K | Thunderstorm Wind (EG 55 kt) |
| | 06/09/08 17:28 EST | | 0 | Source: Trained Spotter |

A trained spotter observed damaging winds remove the siding and shingles from a nearby church.

| | | | | |
|---|--------------------|--|---|------------------------------|
| ALLEN COUNTY --- 0.9 SW LIMA [40.74, -84.11] | | | | |
| | 06/09/08 17:27 EST | | 0 | Thunderstorm Wind (EG 60 kt) |
| | 06/09/08 17:28 EST | | 0 | Source: Emergency Manager |

Emergency management officials reported that part of a wall from a building fell onto a man walking by, causing minor injuries.

| | | | | |
|--|--------------------|--|---|------------------------------|
| VAN WERT COUNTY --- 1.3 WNW MIDDLE PT [40.86, -84.45] | | | | |
| | 06/09/08 17:28 EST | | 0 | Thunderstorm Wind (EG 63 kt) |
| | 06/09/08 17:29 EST | | 0 | Source: Emergency Manager |

| | | | | |
|---|--------------------|--|-----|------------------------------|
| PUTNAM COUNTY --- 0.5 W COLUMBUS GROVE [40.92, -84.06] | | | | |
| | 06/09/08 17:35 EST | | 10K | Thunderstorm Wind (EG 56 kt) |
| | 06/09/08 17:36 EST | | 0 | Source: Law Enforcement |

Local law enforcement officials reported a few trees and power lines across parts of the county.

| | | | | |
|---|--------------------|--|-----|------------------------------|
| WILLIAMS COUNTY --- 0.7 N EDON [41.56, -84.77], KUNKLE [41.63, -84.50] | | | | |
| | 06/09/08 17:35 EST | | 75K | Thunderstorm Wind (EG 61 kt) |
| | 06/09/08 17:41 EST | | 0 | Source: Law Enforcement |

Local law enforcement officials reported numerous trees down across the county. Many of these were in a swath from Edon northeast to Kunkle. A tree fell onto a house in the town of Kunkle with trees onto several cars in West Unity. Damage is estimated at \$75,000.

| | | | | |
|---|--------------------|--|---|-------------------------|
| PUTNAM COUNTY --- 2.8 N COLUMBUS GROVE [40.96, -84.06] | | | | |
| | 06/09/08 17:43 EST | | 0 | Hail (0.75 in) |
| | 06/09/08 17:44 EST | | 0 | Source: Trained Spotter |

| | | | | |
|---|--------------------|--|-----|------------------------------|
| DEFIANCE COUNTY --- 0.5 W DEFIANCE [41.28, -84.36] | | | | |
| | 06/09/08 17:45 EST | | 10K | Thunderstorm Wind (EG 60 kt) |
| | 06/09/08 17:46 EST | | 0 | Source: Law Enforcement |

Law enforcement officials reported a few trees were down onto power lines.

| | | | | |
|---|--------------------|--|---|------------------------------|
| VAN WERT COUNTY --- 1.1 E GLENMORE [40.78, -84.66] | | | | |
| | 06/09/08 17:45 EST | | 0 | Thunderstorm Wind (MG 54 kt) |
| | 06/09/08 17:46 EST | | 0 | Source: Amateur Radio |

| | | | | |
|--|--------------------|--|---|------------------------------|
| FULTON COUNTY --- LYONS [41.70, -84.07] | | | | |
| | 06/09/08 18:10 EST | | 0 | Thunderstorm Wind (MG 63 kt) |
| | 06/09/08 18:11 EST | | 0 | Source: Public |

| | | | | |
|--|--------------------|--|-----|------------------------------|
| FULTON COUNTY --- LYONS [41.70, -84.07] | | | | |
| | 06/09/08 18:10 EST | | 10K | Thunderstorm Wind (EG 60 kt) |
| | 06/09/08 18:11 EST | | 0 | Source: Emergency Manager |

Emergency management officials reported power lines and trees down in the Lyons area.

| | | | | |
|--|--------------------|--|-----|------------------------------|
| FULTON COUNTY --- LYONS [41.70, -84.07], 0.6 SSE METAMORA [41.71, -83.92] | | | | |
| | 06/09/08 18:15 EST | | 20K | Thunderstorm Wind (EG 60 kt) |
| | 06/09/08 18:20 EST | | 0 | Source: Law Enforcement |

Numerous trees and power lines came down across the county, with the focus from Lyons to Metamora. Several of the power poles were snapped with road signs being blown over.

Several clusters of thunderstorms developed ahead of a cold front across northeastern Indiana and moved into northwestern Ohio. The storms interacted with 30 to 40 knots of shear and CAPEs in excess of 2000 j/kg, resulting in several reports of damaging winds. A few reports of possible tornado touchdowns were received, but surveys determined all damage was the result of straight-line winds.

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|------------------------------|
| FULTON COUNTY --- 2.2 ESE POWERS [41.67, -84.21] | | | | |
| | 06/15/08 17:39 EST | | 0 | Thunderstorm Wind (EG 60 kt) |
| | 06/15/08 17:40 EST | | 0 | Source: Trained Spotter |
| Trained spotters reported four to five foot diameter trees blown down east of Fayette. | | | | |
| FULTON COUNTY --- LYONS [41.70, -84.07] | | | | |
| | 06/15/08 17:50 EST | | 75K | Thunderstorm Wind (EG 74 kt) |
| | 06/15/08 17:51 EST | | 0 | Source: County Official |
| County officials reported several trees down and 12 power poles being snapped off on County Road 10 between County Road U and Highway 120. Damage is estimated at \$75,000 for the power poles. | | | | |
| VAN WERT COUNTY --- 0.9 SW VAN WERT [40.86, -84.58] | | | | |
| | 06/15/08 19:17 EST | | 40K | Thunderstorm Wind (EG 60 kt) |
| | 06/15/08 19:18 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported a 12-inch diameter tree down onto a car. The roof was blown off the Brookside Dairy Convenience Building. Damage is estimated at \$40,000. | | | | |
| VAN WERT COUNTY --- 0.7 N OHIO CITY [40.78, -84.62] | | | | |
| | 06/15/08 19:19 EST | | 0 | Thunderstorm Wind (EG 55 kt) |
| | 06/15/08 19:20 EST | | 0 | Source: County Official |
| County officials reported a tree being blown down onto State Route 118, near Ohio City. | | | | |
| ALLEN COUNTY --- 1.5 NNW LIMA [40.77, -84.11] | | | | |
| | 06/15/08 19:55 EST | | 0 | Thunderstorm Wind (EG 55 kt) |
| | 06/15/08 19:56 EST | | 0 | Source: Law Enforcement |
| Local law enforcement officials reported several trees blown down around Lima. | | | | |
| Morning convection helped stabilize the area until early afternoon when strong heating and an approaching short wave and front set the stage for rapid thunderstorm development. While instability was considered moderate, steep mid-level lapse rates allowed for a favorable profile for large hail and damaging winds. As the storms moved into northwestern Ohio, events were confined to wind damage only. | | | | |
| WILLIAMS COUNTY --- EDGERTON [41.45, -84.75] | | | | |
| | 06/21/08 11:45 EST | | 5K | Thunderstorm Wind (EG 55 kt) |
| | 06/21/08 11:46 EST | | 0 | Source: County Official |
| County officials reported tree limbs down as well as a few power lines. | | | | |
| DEFIANCE COUNTY --- 1.3 WSW HICKSVILLE [41.29, -84.77] | | | | |
| | 06/21/08 12:15 EST | | 0 | Hail (0.75 in) |
| | 06/21/08 12:16 EST | | 0 | Source: Trained Spotter |
| HENRY COUNTY --- 2.3 SSW GERALD [41.42, -84.15] | | | | |
| | 06/21/08 12:45 EST | | 0 | Hail (0.75 in) |
| | 06/21/08 12:46 EST | | 0 | Source: Amateur Radio |
| Strong to severe storms moved out of northern Indiana and into portions of northwestern Ohio in advance of a weak trough and upper level system. A few reports of severe weather were received. | | | | |
| PAULDING COUNTY --- 1.4 N TIPTON [41.04, -84.67] | | | | |
| | 06/25/08 16:40 EST | | 0 | Hail (0.75 in) |
| | 06/25/08 16:41 EST | | 0 | Source: Emergency Manager |
| DEFIANCE COUNTY --- 2.6 WNW HICKSVILLE [41.32, -84.79], 1.9 WNW SIX CORNERS [41.33, -84.74] | | | | |
| | 06/25/08 16:44 EST | | 0.10M | Thunderstorm Wind (EG 61 kt) |
| | 06/25/08 16:49 EST | | 10K | Source: Trained Spotter |

Storm Data and Unusual Weather Phenomena - June 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|-----------|-------------------|---------------------|------------------------|
| A trained spotter reported a swath of damage extending from near the Ohio/Indiana state line northeast for about 4 miles to near the intersection of Buckskin and Gingrich roads. Several areas of tree damage were observed. Structure damage consisted of one barn destroyed, another losing its roof, roof damage to two houses, an aluminum flagpole was snapped off and some windows broken out of a few residences. A wheat field also was flattened in one area. Damage estimates of around \$100,000 in property and \$10,000 in crop. | | | | |

PAULDING COUNTY --- 2.1 N GROVER HILL [41.05, -84.48]

| | | |
|--------------------|---|-------------------------|
| 06/25/08 17:04 EST | 0 | Hail (0.75 in) |
| 06/25/08 17:05 EST | 0 | Source: Trained Spotter |

VAN WERT COUNTY --- WREN [40.80, -84.77]

| | | |
|--------------------|-----|------------------------------|
| 06/25/08 17:34 EST | 10K | Thunderstorm Wind (EG 55 kt) |
| 06/25/08 17:35 EST | 0 | Source: Law Enforcement |

Law enforcement officials reported trees and power lines down.

VAN WERT COUNTY --- 0.9 SW VAN WERT [40.86, -84.58]

| | | |
|--------------------|---|------------------------------|
| 06/25/08 17:40 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 06/25/08 17:41 EST | 0 | Source: Emergency Manager |

Emergency management officials reported trees and tree limbs down in the city of Van Wert.

FULTON COUNTY --- 1.2 SW SWANTON GLASER ARPT [41.56, -83.89]

| | | |
|--------------------|---|------------------------------|
| 06/25/08 17:49 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 06/25/08 17:50 EST | 0 | Source: Law Enforcement |

Law enforcement officials reported tree limbs and power lines were blown down.

ALLEN COUNTY --- 0.9 SW LIMA [40.74, -84.11]

| | | |
|--------------------|-----|------------------------------|
| 06/25/08 19:25 EST | 20K | Thunderstorm Wind (EG 55 kt) |
| 06/25/08 19:26 EST | 0 | Source: Law Enforcement |

Law enforcement officials reported trees and power lines down through the county.

A weak warm front became stationary across portions of northern Indiana. Several storms developed along the stationary front, moved northeast into northwestern Ohio, causing wind damage in some areas.

PUTNAM COUNTY --- 0.5 W OTTOVILLE [40.93, -84.34]

| | | |
|--------------------|---|---------------------------|
| 06/26/08 15:05 EST | 0 | Hail (0.75 in) |
| 06/26/08 15:06 EST | 0 | Source: Emergency Manager |

A stationary boundary across the area combined with remnants of overnight convection. This interacted with moderate instability to allow for numerous thunderstorms. A few reports of hail were received with one reaching penny size.

Storm Data and Unusual Weather Phenomena - July 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|------------------------------|
| INDIANA, Northeast | | | | |
| CASS COUNTY --- 1.3 WSW LAKE CICOTT [40.76, -86.54] | | | | |
| | 07/02/08 17:58 EST | | 0 | Hail (1.00 in) |
| | 07/02/08 17:59 EST | | 0 | Source: Law Enforcement |
| CASS COUNTY --- 3.5 S ROYAL CENTER [40.82, -86.50] | | | | |
| | 07/02/08 18:05 EST | | 5K | Hail (1.00 in) |
| | 07/02/08 18:06 EST | | 5K | Source: Emergency Manager |
| Emergency management officials reported hail broke out skylights in a residence and did some crop damage. Property damage is estimated at \$5,000 and crop damage at \$5,000. | | | | |
| CASS COUNTY --- 2.8 N METEA [40.91, -86.33] | | | | |
| | 07/02/08 18:22 EST | | 0 | Thunderstorm Wind (EG 55 kt) |
| | 07/02/08 18:23 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported several trees down in the Fletcher area. | | | | |
| CASS COUNTY --- 1.7 WNW LAKE CICOTT [40.78, -86.55] | | | | |
| | 07/02/08 18:33 EST | | 1K | Thunderstorm Wind (EG 55 kt) |
| | 07/02/08 18:34 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported a three foot diameter tree being blown over and shingles removed from a residence near the 600 West and 325 North. Several poles with birdhouses on them were also bent over. Damage is estimated at \$1,000. | | | | |
| ST. JOSEPH COUNTY --- 1.2 NW SOUTH BEND [41.68, -86.27] | | | | |
| | 07/02/08 19:24 EST | | 0 | Hail (0.88 in) |
| | 07/02/08 19:25 EST | | 0 | Source: Trained Spotter |
| ELKHART COUNTY --- 0.7 N ELKHART [41.69, -85.97] | | | | |
| | 07/02/08 19:30 EST | | 0 | Thunderstorm Wind (EG 55 kt) |
| | 07/02/08 19:31 EST | | 0 | Source: Law Enforcement |
| Law enforcement officials reported several trees down in Elkhart. | | | | |
| ST. JOSEPH COUNTY --- MISHAWAKA [41.67, -86.17] | | | | |
| | 07/02/08 19:31 EST | | 0 | Hail (0.75 in) |
| | 07/02/08 19:32 EST | | 0 | Source: Trained Spotter |
| LAGRANGE COUNTY --- 2.7 ENE MONGO [41.69, -85.23] | | | | |
| | 07/02/08 20:11 EST | | 0 | Hail (0.75 in) |
| | 07/02/08 20:12 EST | | 0 | Source: Emergency Manager |
| STEUBEN COUNTY --- 1.9 ENE LAKE JAMES [41.71, -85.02] | | | | |
| | 07/02/08 20:14 EST | | 10K | Thunderstorm Wind (EG 55 kt) |
| | 07/02/08 20:15 EST | | 0 | Source: Newspaper |
| Trees and power lines were down across mainly northern portions of the county. The majority of the damage was located in the Angola area, as well as Lake James and the Pokagon State park. | | | | |
| STEUBEN COUNTY --- ORLAND [41.73, -85.17] | | | | |
| | 07/02/08 20:14 EST | | 0 | Hail (0.75 in) |
| | 07/02/08 20:15 EST | | 0 | Source: Amateur Radio |
| LAGRANGE COUNTY --- HOWE [41.72, -85.42] | | | | |
| | 07/02/08 22:09 EST | | 0 | Hail (0.75 in) |
| | 07/02/08 22:10 EST | | 0 | Source: Trained Spotter |

Storm Data and Unusual Weather Phenomena - July 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|---------------------------------------|
| Numerous thunderstorms developed ahead of a cold front dropping south through the Great Lakes. 30 to 40 knots of shear as well as a moist unstable atmosphere allowed for several small bowing segments to develop with areas of wind damage reported. | | | | |
| WHITLEY COUNTY --- 0.9 NW SOUTH WHITLEY [41.09, -85.63], 3.4 ENE COESSE [41.15, -85.34] | | | | |
| | 07/08/08 12:00 EST | | 8K | Thunderstorm Wind (EG 61 kt) |
| | 07/08/08 12:20 EST | | 0 | Source: NWS Storm Survey |
| Scattered areas of trees, tree limbs and power poles were observed from near the South Whitley area to northeast of Coesse. The wind damage continued into Allen County. As noted in a separate event, a brief tornado was confirmed within this swath of damage. Damage is estimated at \$8,000. | | | | |
| NOBLE COUNTY --- 0.9 WSW BAKERTOWN [41.37, -85.37] | | | | |
| | 07/08/08 12:06 EST | | 40K | Thunderstorm Wind (EG 60 kt) |
| | 07/08/08 12:07 EST | | 0 | Source: Newspaper |
| A residence on County Road 300 East, just south of County Road 100 North, suffered damage to a roof as a large tree clipped a corner of the house. Another tree fell onto a detached garage, causing damage to a wall. In addition, a pole barn had a portion of the roof torn off. The residence was occupied by the owners as well as several children. All in the residence took shelter in a basement with no injuries being reported. Damage is estimated at \$40,000. | | | | |
| WHITLEY COUNTY --- 0.7 NE COESSE [41.14, -85.39], 0.9 NE COESSE [41.14, -85.39] | | | | |
| | 07/08/08 12:10 EST | | 20K | Tornado (EF0, L: 0.17 mi , W: 300 yd) |
| | 07/08/08 12:11 EST | | 3K | Source: NWS Storm Survey |
| A storm survey and eye witness reports indicated that a brief tornado developed just east of the intersection of Lincoln Way and County Road 500 East. The circulation initially flipped a horse trailer and destroyed the top portion of an older barn, picking up the roof and depositing it at the end of its track in an open field. Numerous trees were uprooted and three power poles toppled on the south side of the road, with the circulation then crossing the road. A small section of a soy bean field had the plants stripped of all vegetation except the stalks. The maximum width of the tornado was no more than 300 yards and was on the ground less than one quarter mile with duration no more than 2 minutes. Damage is estimated at around \$20,000. | | | | |
| ALLEN COUNTY --- 3.7 NNW ARCOLA [41.15, -85.34], 0.6 NNE WALLEN [41.18, -85.17] | | | | |
| | 07/08/08 12:21 EST | | 10K | Thunderstorm Wind (EG 50 kt) |
| | 07/08/08 12:25 EST | | 0 | Source: NWS Storm Survey |
| The swath of scattered trees and power lines down continued into Allen County, but became more isolated by the time the winds arrived in Fort Wayne. Damage is estimated at \$10,000. | | | | |
| WELLS COUNTY --- 1.3 ESE TOCSIN [40.82, -85.10] | | | | |
| | 07/08/08 13:31 EST | | 10K | Thunderstorm Wind (EG 50 kt) |
| | 07/08/08 13:32 EST | | 0 | Source: County Official |
| County officials reported trees and power lines down in the area. | | | | |
| A small cluster of thunderstorms interacted with modest shear and wind fields to produce a swath of damaging winds from the South Whitley area northeast to the northwest side of Fort Wayne. Another area of wind damage was noted in the Albion area. | | | | |
| PULASKI COUNTY --- 6.4 WSW RIPLEY [41.06, -86.78] | | | | |
| | 07/21/08 08:40 CST | | 0 | Thunderstorm Wind (EG 52 kt) |
| | 07/21/08 08:41 CST | | 0 | Source: Trained Spotter |
| Trained spotters reported winds of up to 60 mph with tree limbs down in the area. | | | | |
| WHITE COUNTY --- 0.5 W MONTICELLO [40.75, -86.76] | | | | |
| | 07/21/08 09:10 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 07/21/08 09:11 EST | | 0 | Source: Emergency Manager |
| Several small trees were down around the Monticello area. | | | | |
| WHITE COUNTY --- 0.9 SW BURNETTSVILLE [40.76, -86.59] | | | | |
| | 07/21/08 09:19 EST | | 0 | Thunderstorm Wind (EG 50 kt) |
| | 07/21/08 09:20 EST | | 0 | Source: Emergency Manager |
| Emergency management officials reported several small trees down in Burnettsville. | | | | |
| CASS COUNTY --- 0.7 S ONWARD [40.69, -86.20] | | | | |

Storm Data and Unusual Weather Phenomena - July 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------------|
| | 07/21/08 09:41 EST | | 20K | Thunderstorm Wind (EG 55 kt) |
| | 07/21/08 09:42 EST | | 0 | Source: Emergency Manager |

Emergency management officials reported numerous trees down up to two feet in diameter as well as power poles and lines down in the county. Much of the damage was confined to two areas. One of these extended from Onward to Logansport and another near Royal Center. A portion of US Highway 35 was closed due to trees down across the road. Damage is estimated at \$20,000.

CASS COUNTY --- 0.7 S ROYAL CENTER [40.86, -86.50]

| | | |
|--------------------|---|------------------------------|
| 07/21/08 09:41 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 07/21/08 09:42 EST | 0 | Source: Broadcast Media |

Broadcast media outlets reported trees were blown down on both West and East Shafer streets in Royal Center.

MIAMI COUNTY --- 0.7 S NEAD [40.71, -86.13]

| | | |
|--------------------|---|------------------------------|
| 07/21/08 09:50 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 07/21/08 09:51 EST | 0 | Source: Emergency Manager |

Emergency management officials reported trees down at US 31, between county roads 300 and 400 south.

MIAMI COUNTY --- PERU [40.75, -86.07]

| | | |
|--------------------|-----|------------------------------|
| 07/21/08 09:50 EST | 15K | Thunderstorm Wind (EG 50 kt) |
| 07/21/08 09:51 EST | 0 | Source: Emergency Manager |

Emergency management officials reported trees and power lines down in and around Peru.

WABASH COUNTY --- 0.5 E WABASH [40.80, -85.81]

| | | |
|--------------------|----|------------------------------|
| 07/21/08 10:03 EST | 5K | Thunderstorm Wind (EG 50 kt) |
| 07/21/08 10:04 EST | 0 | Source: Emergency Manager |

Emergency management officials reported a few trees and power lines down in Wabash.

GRANT COUNTY --- 0.7 N SHADY HILLS [40.58, -85.67]

| | | |
|--------------------|---|------------------------------|
| 07/21/08 10:12 EST | 0 | Thunderstorm Wind (EG 52 kt) |
| 07/21/08 10:13 EST | 0 | Source: Trained Spotter |

A complex of thunderstorms bowed out across eastern Illinois and continued rapidly east and then southeast into portions of northern Indiana. Wind damage was reported in some locations of west central Indiana.

MICHIGAN, Extreme Southwest

HILLSDALE COUNTY --- JONESVILLE [41.98, -84.67]

| | | |
|--------------------|---|------------------------------|
| 07/02/08 17:50 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 07/02/08 17:51 EST | 0 | Source: Law Enforcement |

Law enforcement officials reported several trees down in the Jonesville area.

HILLSDALE COUNTY --- 0.5 E SOMERSET CENTER [42.05, -84.41]

| | | |
|--------------------|---|------------------------------|
| 07/02/08 18:00 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 07/02/08 18:01 EST | 0 | Source: Law Enforcement |

Law enforcement officials reported trees down in the Somerset Center area.

HILLSDALE COUNTY --- CAMBRIA [41.82, -84.67]

| | | |
|--------------------|---|------------------------------|
| 07/02/08 18:00 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 07/02/08 18:01 EST | 0 | Source: Law Enforcement |

Law enforcement officials reported trees down in Cambria.

HILLSDALE COUNTY --- 0.7 S READING [41.82, -84.75]

Storm Data and Unusual Weather Phenomena - July 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|--------------------|-------------------|---------------------|------------------------------|
| | 07/02/08 18:01 EST | | 0 | Thunderstorm Wind (EG 60 kt) |
| | 07/02/08 18:02 EST | | 0 | Source: Trained Spotter |

Trained spotters reported a tree uprooted across a local road.

ST. JOSEPH COUNTY --- BURR OAK [41.85, -85.32]

| | | |
|--------------------|---|------------------------------|
| 07/02/08 18:58 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 07/02/08 18:59 EST | 0 | Source: Law Enforcement |

Law enforcement officials reported several trees down in Burr Oak.

BRANCH COUNTY --- 4.3 SW BRONSON [41.83, -85.25]

| | | |
|--------------------|---|------------------------------|
| 07/02/08 19:00 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 07/02/08 19:01 EST | 0 | Source: Emergency Manager |

Emergency management officials reported numerous trees down in the area.

CASS COUNTY --- 0.9 SW CASSOPOLIS [41.91, -86.01]

| | | |
|--------------------|---|------------------------------|
| 07/02/08 19:00 EST | 0 | Thunderstorm Wind (EG 55 kt) |
| 07/02/08 19:01 EST | 0 | Source: Law Enforcement |

Law enforcement officials reported trees down in several locations across the county.

BRANCH COUNTY --- 5.4 SW BRONSON [41.83, -85.28]

| | | |
|--------------------|-----|------------------------------|
| 07/02/08 19:03 EST | 10K | Thunderstorm Wind (EG 55 kt) |
| 07/02/08 19:04 EST | 0 | Source: Emergency Manager |

Emergency management officials reported several trees and some power lines down in the Burr Oak area.

BRANCH COUNTY --- 0.9 SW BRONSON ARPT [41.87, -85.19]

| | | |
|--------------------|-----|------------------------------|
| 07/02/08 19:12 EST | 10K | Thunderstorm Wind (EG 55 kt) |
| 07/02/08 19:13 EST | 0 | Source: Emergency Manager |

Emergency management officials reported trees and power lines down in the Bronson area.

Numerous thunderstorms developed ahead of a cold front dropping south through the Great Lakes. 30 to 40 knots of shear as well as a moist unstable atmosphere allowed for several small bowing segments to develop with areas of wind damage reported.

OHIO, Northwest

FULTON COUNTY --- 0.5 W WAUSEON [41.55, -84.14], 1.1 SSW BURLINGTON [41.55, -84.31], 2.5 S FAYETTE [41.63, -84.32], 2.0 NNW DELTA [41.61, -84.01]

| | | |
|--------------------|----|---------------------------------|
| 07/03/08 01:00 EST | 5K | Flash Flood (due to Heavy Rain) |
| 07/03/08 08:00 EST | 0 | Source: Law Enforcement |

Law enforcement officials reported numerous roads flooded across the county, with water as high as two feet flowing over some of the roads. The flooding subsided by mid morning.

Numerous thunderstorms moved into northwestern Ohio during the overnight hours of July 2nd into July 3rd. Reports of flash flooding were received in Fulton County.

HENRY COUNTY --- 0.7 N NAPOLEON [41.39, -84.13]

| | | |
|--------------------|-----|------------------------------|
| 07/08/08 13:32 EST | 10K | Thunderstorm Wind (EG 50 kt) |
| 07/08/08 13:33 EST | 0 | Source: Law Enforcement |

Law enforcement officials reported trees and power lines down in and around Napoleon.

VAN WERT COUNTY --- 1.1 W GLENMORE [40.78, -84.70]

| | | |
|--------------------|---|------------------------------|
| 07/08/08 14:05 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 07/08/08 14:06 EST | 0 | Source: Amateur Radio |

Storm Data and Unusual Weather Phenomena - July 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|------------------------------|
| Amateur radio operators reported a few trees down in the Glenmore area. | | | | |
| <hr/> | | | | |
| VAN WERT COUNTY --- 0.9 NW VENEDOCIA [40.79, -84.46] | 07/08/08 14:20 EST | | 3K | Thunderstorm Wind (EG 50 kt) |
| | 07/08/08 14:21 EST | | 0 | Source: Amateur Radio |
| | | | | |

Amateur radio operators reported siding being ripped off a home in Venedocia.

Two clusters of storms continued out of northeastern Indiana into portions of northwestern Ohio, producing pockets of wind damage.

Storm Data and Unusual Weather Phenomena - August 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|------------------------------|
| INDIANA, Northeast | | | | |
| MIAMI COUNTY --- 0.5 W CONVERSE [40.58, -85.88] | | | | |
| | 08/01/08 20:10 EST | | 0 | Hail (0.88 in) |
| | 08/01/08 20:11 EST | | 0 | Source: Amateur Radio |
| JAY COUNTY --- 2.7 WSW REDKEY [40.33, -85.20] | | | | |
| | 08/01/08 20:42 EST | | 0.10M | Thunderstorm Wind (EG 61 kt) |
| | 08/01/08 20:44 EST | | 0 | Source: Emergency Manager |
| Emergency management officials indicated that extensive tree damage was noted southwest of Redkey along State Route 67, from the Jay/Delaware county line northeast to just southwest of Redkey. Several trees were reported uprooted or snapped on State Route 67 as well as surrounding county roads. A residence in the 11000 block of West County Road 600 South reported roof damage and a hole in the house from debris. Also at the intersection of County Road 1150 West and 700 South, 5 power poles were broken and the lines dragged into a corn field. There was signs of some tree top damage and portion of a corn field was smashed over with no corn standing in some areas. While it is possible there could have been a brief circulation in the area, the damage from the downburst winds was more extensive. Damage is estimated at \$100,000. | | | | |
| GRANT COUNTY --- FAIRMOUNT [40.42, -85.65] | | | | |
| | 08/01/08 20:55 EST | | 0 | Hail (0.88 in) |
| | 08/01/08 20:56 EST | | 0 | Source: Public |
| A few gas stations in the Fairmount area reported hail to the size of nickels falling just before 10 pm. | | | | |
| Several boundaries across the area interacted with a moderately unstable atmosphere to allow for a few areas of thunderstorms to develop with some becoming severe. | | | | |
| LA PORTE COUNTY --- 0.9 NE PINOLA [41.61, -86.79] | | | | |
| | 08/04/08 20:06 CST | | 25K | Thunderstorm Wind (EG 60 kt) |
| | 08/04/08 20:07 CST | | 0 | Source: Trained Spotter |
| Trained spotters reported a semi was rolled over on State route 2 west of Laporte. Also the Laporte hospital suffered some signage damage. | | | | |
| LA PORTE COUNTY --- 2.1 E MICHIGAN CITY ARPT [41.70, -86.78] | | | | |
| | 08/04/08 20:06 CST | | 25K | Thunderstorm Wind (EG 65 kt) |
| | 08/04/08 20:07 CST | | 0 | Source: Broadcast Media |
| Broadcast media sources reported that a 23 year old man was nearly home when the severe storms caused a tree to be blown over into his vehicle, killing him. The residence was located in the 6200 block of North County Road 400 West near the town of Springville. | | | | |
| LA PORTE COUNTY --- 0.9 NW TRAIL CREEK [41.71, -86.88] | | | | |
| | 08/04/08 20:07 CST | | 0 | Thunderstorm Wind (EG 65 kt) |
| | 08/04/08 20:08 CST | | 0 | Source: Broadcast Media |
| Numerous trees, tree limbs and power lines were reported down in and around the Michigan City area. | | | | |
| LA PORTE COUNTY --- PINOLA [41.60, -86.80] | | | | |
| | 08/04/08 20:14 CST | | 0 | Thunderstorm Wind (EG 65 kt) |
| | 08/04/08 20:15 CST | | 0 | Source: Trained Spotter |
| Trained spotters reported power poles and large trees down in the area. | | | | |
| STARKE COUNTY --- 0.9 SE KNOX [41.29, -86.62] | | | | |
| | 08/04/08 20:23 CST | | 0 | Thunderstorm Wind (EG 60 kt) |
| | 08/04/08 20:24 CST | | 0 | Source: Law Enforcement |
| Law enforcement officials reported several trees and tree limbs down across the county. | | | | |
| MARSHALL COUNTY --- 0.5 E PLYMOUTH [41.35, -86.31] | | | | |
| | 08/04/08 21:36 EST | | 25K | Thunderstorm Wind (EG 60 kt) |
| | 08/04/08 21:37 EST | | 0 | Source: Law Enforcement |

Storm Data and Unusual Weather Phenomena - August 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|-----------|-------------------|---------------------|------------------------|
| Law enforcement officials reported several trees and tree limbs down across the county. A tree fell down onto a car, totaling the vehicle, as well as causing damage to the front of a house adjacent to the parked car. Damage is estimated at \$10,000 for the car, \$5,000 for the front of the house, and \$10,000 for power lines down and other minor structure damage in the area. | | | | |

ST. JOSEPH COUNTY --- 1.5 NNE LAKEVILLE [41.54, -86.27]

| | | |
|--------------------|---|------------------------------|
| 08/04/08 21:43 EST | 0 | Thunderstorm Wind (EG 56 kt) |
| 08/04/08 21:44 EST | 0 | Source: Trained Spotter |

A trained spotter reported a 65 mph wind gust just north of Lakeville.

KOSCIUSKO COUNTY --- 1.3 WNW WARSAW [41.24, -85.85]

| | | |
|--------------------|---|------------------------------|
| 08/04/08 22:05 EST | 0 | Thunderstorm Wind (EG 60 kt) |
| 08/04/08 22:06 EST | 0 | Source: Law Enforcement |

Law enforcement officials reported tree limbs and power lines down across the southern half of the county.

MIAMI COUNTY --- 2.1 N (GUS)GRISSOM AFB PER [40.68, -86.15]

| | | |
|--------------------|---|------------------------------|
| 08/04/08 22:25 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 08/04/08 22:26 EST | 0 | Source: Emergency Manager |

Emergency management officials reported a tree down onto a house. Grissom AFB reported a 50 mph wind gust.

MIAMI COUNTY --- 0.9 SW MIAMI [40.61, -86.11]

| | | |
|--------------------|---|------------------------------|
| 08/04/08 22:37 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 08/04/08 22:38 EST | 0 | Source: Emergency Manager |

Emergency management officials reported trees and power lines down in and around Miami.

MIAMI COUNTY --- 0.9 SW MIAMI [40.61, -86.11]

| | | |
|--------------------|-----|---------------------------|
| 08/04/08 22:40 EST | 15K | Lightning |
| 08/04/08 22:41 EST | 0 | Source: Emergency Manager |

Emergency management officials reported a house was struck by lightning at the intersection of 350 West and 250 South.

WHITLEY COUNTY --- 0.7 S COLUMBIA CITY [41.16, -85.48]

| | | |
|--------------------|-----|---------------------------|
| 08/04/08 22:40 EST | 20K | Lightning |
| 08/04/08 22:41 EST | 0 | Source: Emergency Manager |

Emergency management officials reported a substation was hit by lightning, causing damage. In addition, lightning was believed responsible for several fires in and south of Columbia City.

WABASH COUNTY --- 0.5 W WABASH [40.80, -85.83]

| | | |
|--------------------|---|------------------------------|
| 08/04/08 22:44 EST | 0 | Thunderstorm Wind (EG 50 kt) |
| 08/04/08 22:45 EST | 0 | Source: Emergency Manager |

Emergency management officials reported trees and power lines down.

A line of thunderstorms developed in northern Illinois and rapidly became severe, producing wind damage as it moved into northern Indiana. The swath of damage continued into northwestern Indiana where winds of 60 to 80 mph caused several areas of tree damage and some structure damage. One person lost their life when a tree limb fell onto their car in Laporte County.

LAKE MICHIGAN

NEW BUFFALO TO ST JOSEPH MI COUNTY --- ST. JOSEPH HARBOR [42.10, -86.48]

| | | |
|--------------------|---|-------------------------------------|
| 08/04/08 21:40 EST | 0 | Marine Thunderstorm Wind (MG 36 kt) |
| 08/04/08 21:41 EST | 0 | Source: C-MAN Station |

The Great Lakes Environmental Research Laboratory (GLERL) station at St Joseph recorded a 36 knot wind gust.

The northern edge of a line of severe thunderstorms moved across southern Lake Michigan. An isolated storm developed just ahead of the line and produced locally gusty winds.

Storm Data and Unusual Weather Phenomena - August 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|------------------------------------|-----------|-------------------|---------------------|------------------------|
| MICHIGAN, Extreme Southwest | | | | |

BERRIEN COUNTY --- 0.5 W ST JOSEPH [42.10, -86.49]

| | | |
|--------------------|-----|------------------------------|
| 08/04/08 21:30 EST | 15K | Thunderstorm Wind (EG 60 kt) |
| 08/04/08 21:31 EST | 0 | Source: Law Enforcement |

Law enforcement officials reported trees and power lines down in St Joseph.

A line of thunderstorms developed in northern Illinois and rapidly became severe. The line moved across southern Lake Michigan and into Berrien County. The line lost its punch as it headed east with no further reports of severe weather as it moved east across far southern Lower Michigan.

OHIO, Northwest

DEFIANCE COUNTY --- 0.5 W DEFIANCE [41.28, -84.36]

| | | |
|--------------------|-------|------------------------------|
| 08/01/08 14:30 EST | 0.13M | Thunderstorm Wind (EG 61 kt) |
| 08/01/08 14:31 EST | 0 | Source: Emergency Manager |

Emergency management officials reported several large trees were either uprooted or snapped in the city of Defiance. One of these trees fell onto a house on Washington Street, reportedly destroying the house. Another tree fell onto at least two parked car on Jefferson Avenue. No injuries were reported. Damage is estimated at \$125,000.

VAN WERT COUNTY --- 0.9 SW VAN WERT [40.86, -84.58]

| | | |
|--------------------|----|------------------------------|
| 08/01/08 16:21 EST | 6K | Thunderstorm Wind (EG 55 kt) |
| 08/01/08 16:22 EST | 0 | Source: Law Enforcement |

Law enforcement officials reported tree limbs were broken off by the winds and fell onto a transformer, causing some damage. Damage is estimated at \$6,000.

VAN WERT COUNTY --- 4.8 E MIDDLE PT [40.84, -84.34]

| | | |
|--------------------|---|------------------------------|
| 08/01/08 16:35 EST | 0 | Thunderstorm Wind (EG 61 kt) |
| 08/01/08 16:36 EST | 0 | Source: Trained Spotter |

Trained spotters reported 60 to 70 mph wind gusts, causing some tree damage, mainly to limbs. Dime size hail was also reported.

Several boundaries across the area interacted with a moderately unstable atmosphere to allow for a few areas of thunderstorms to develop with some becoming severe.

Storm Data and Unusual Weather Phenomena - September 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|---------------------------------|
| INDIANA, Northeast | | | | |
| LA PORTE COUNTY --- 2.3 NNW LAKE PARK [41.75, -86.54], 0.4 NNE GRAND BEACH WOODLAND [41.76, -86.83], 0.7 W WESTVILLE [41.55, -86.91], 3.2 WNW MILL CREEK [41.60, -86.59] | | | | |
| | 09/13/08 06:10 CST | | 0.50M | Flood (due to Heavy Rain) |
| | 09/16/08 04:00 CST | | 0 | Source: Trained Spotter |
| <p>Spotters and emergency management officials reported several road closures across the northern part of the county. The road closures included US 25 and 35. Rainfall amounts of eight to over 11 inches were recorded, with the highest amount in the Laporte area where 11.20 inches was noted. No injuries were reported. Exact damage figures were not available.</p> | | | | |
| ST. JOSEPH COUNTY --- 2.8 NE CHAIN O LAKES [41.75, -86.34], 1.1 ENE GRANGER [41.76, -86.10], 4.8 SSW GLENWOOD [41.60, -86.09], 1.2 NW WHARTONS [41.59, -86.35] | | | | |
| | 09/13/08 08:42 EST | | 0.50M | Flood (due to Heavy Rain) |
| | 09/16/08 05:00 EST | | 0 | Source: Law Enforcement |
| <p>Law enforcement and emergency management officials reported several roads closed due to high water over them from rainfall amounts of 6 to locally as high as 11 inches, which was in the Grainger area. No injuries were reported. Exact damage figures were not available.</p> <p>Moisture from the remnants of Tropical Storm Lowell and Hurricane Ike moved into the region and interacted with a stationary boundary to bring heavy rainfall to portions of northern Indiana starting on the 11th, extending into the early morning hours of the 15th. Several areas received six to as much as 12 inches of rain, especially across portions of Laporte, St Joseph and Elkhart counties.</p> | | | | |
| (IN-Z007) STEUBEN, (IN-Z008) NOBLE, (IN-Z018) ALLEN | | | | |
| | 09/14/08 16:00 EST | | 15K | High Wind (MAX 53 kt) |
| | 09/14/08 16:35 EST | | 0 | |
| <p>Wind fields remained strong with the remnants of Hurricane Ike as it passed over northern Indiana. A narrow line of showers was able to tap these strong winds and allow for damaging non-thunderstorm winds in a few locations.</p> | | | | |
| MICHIGAN, Extreme Southwest | | | | |
| BERRIEN COUNTY --- 0.9 SE SAWYER [41.87, -86.57], 4.1 WNW JERRY TYLER MEML ARP [41.88, -86.30], 0.4 ESE BERTRAND [41.77, -86.26], 1.1 ESE NEW BUFFALO [41.77, -86.73] | | | | |
| | 09/13/08 08:00 EST | | 0.50M | Flash Flood (due to Heavy Rain) |
| | 09/13/08 09:45 EST | | 0.10M | Source: Emergency Manager |
| <p>Emergency management officials reported numerous roads in the southern part of the county being flooded, some with water as deep as one foot flowing over the road. This resulted in the closure of some roads, especially in the Niles area. Rainfall reports of up to 5 inches were noted across the area. Areal flooding continued into the 15th as additional rainfall occurred. Damage values are estimated.</p> | | | | |
| BERRIEN COUNTY --- 1.1 W JERRY TYLER MEML ARP [41.85, -86.25], 0.4 SSW BERTRAND [41.77, -86.27], 2.0 E THREE OAKS ARPT [41.77, -86.61], 1.8 W MT TABOR [41.88, -86.43] | | | | |
| | 09/13/08 09:45 EST | | 0.75M | Flood (due to Heavy Rain) |
| | 09/16/08 05:00 EST | | 0 | Source: Emergency Manager |
| <p>The rainfall from the remnants of Lowell and Ike continued to drop heavy rainfall into the early morning hours of the 15th. When the rain finally stopped, total rainfall amounts of over 12 inches was reported in the Buchanan and Niles area. Numerous roads remained closed with some culverts and bridges suffering damage. The Pucker Street Dam in Niles suffered a partial breach on an earthen part of the dam. Roughly a eight foot section was washed away, forcing the evacuation of residents downstream of the dam. No injuries were reported. No exact figures are available for the damage to the area from the flooding.</p> | | | | |
| CASS COUNTY --- 3.4 SSW BARRON LAKE [41.78, -86.19], 0.2 S UNION [41.78, -85.87], 3.4 NW JONES [41.93, -85.85], 4.0 WNW SUMNERVILLE [41.94, -86.25] | | | | |
| | 09/13/08 09:45 EST | | 0.50M | Flood (due to Heavy Rain) |
| | 09/16/08 05:00 EST | | 0 | Source: Emergency Manager |
| <p>The rainfall from the remnants of Lowell and Ike continued to drop heavy rainfall into the early morning hours of the 15th. When the rain finally stopped, total rainfall amounts of 10 to 12 inches was reported from the extreme eastern parts of Niles into Edwardsburg. Numerous roads remained closed with some culverts and bridges suffering damage. No injuries were reported. No exact figures are available for the damage to the area from the flooding.</p> | | | | |

Storm Data and Unusual Weather Phenomena - September 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|---------------------------|
| ST. JOSEPH COUNTY --- 3.0 W HOWARDSVILLE [42.02, -85.78], 2.3 SSW MOTTVILLE [41.77, -85.77], 1.1 WNW FAWN RIVER [41.79, -85.37], 2.3 NNW LEONIDAS ARPT [42.06, -85.36] | | | | |
| | 09/13/08 09:45 EST | | 0.50M | Flood (due to Heavy Rain) |
| | 09/16/08 05:00 EST | | 0 | Source: Emergency Manager |

The rainfall from the remnants of Lowell and Ike continued to drop heavy rainfall into the early morning hours of the 15th. When the rain finally stopped, total rainfall amounts of eight to ten inches was reported across the southern part of the county, including the Three Rivers area. Numerous roads remained closed with some culverts and bridges suffering damage. No injuries were reported. No exact figures are available for the damage to the area from the flooding.

Moisture from the remnants of Tropical Storm Lowell and Hurricane Ike moved into the region and interacted with a stationary boundary to bring heavy rainfall to portions of far southern lower Michigan starting on the 11th, extending into the early morning hours of the 15th. Widespread reports of 8 to as much as 12 inches of rain were received across Berrien and Cass counties. A portion of the Niles Dam suffered a breach in the earthen part. Downstream residents were evacuated as a precaution.

OHIO, Northwest

| | | | | |
|---|--------------------|--|----|-----------------------|
| (OH-Z001) WILLIAMS, (OH-Z002) FULTON, (OH-Z005) HENRY, (OH-Z015) PAULDING, (OH-Z016) PUTNAM, (OH-Z024) VAN WERT, (OH-Z025) ALLEN | | | | |
| | 09/14/08 17:00 EST | | 5K | High Wind (MAX 60 kt) |
| | 09/14/08 17:40 EST | | 0 | |

Wind fields remained strong with the remnants of Hurricane Ike as it passed over northwestern Ohio. A narrow line of showers was able to tap these strong winds and allow for damaging non-thunderstorm winds in a few locations.

Storm Data and Unusual Weather Phenomena - October 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|--------------------------------|
| INDIANA, Northeast | | | | |
| PULASKI COUNTY --- 1.3 ENE MONTEREY [41.16, -86.48] | | | | |
| | 10/15/08 14:00 CST | | 20K | Thunderstorm Wind (EG 55 kt) |
| | 10/15/08 14:01 CST | | 0 | Source: Fire Department/Rescue |

The Monterey Fire Department reported several trees uprooted, with a few landing onto houses. Also power lines were reported down across the area.

| | | | | |
|---|--------------------|--|-----|------------------------------|
| WABASH COUNTY --- 1.4 N NORTH MANCHESTER [41.02, -85.77] | | | | |
| | 10/15/08 15:50 EST | | 15K | Thunderstorm Wind (EG 55 kt) |
| | 10/15/08 15:51 EST | | 0 | Source: Emergency Manager |

Emergency management officials reported trees down in North Manchester, with some onto vehicles.

Weak instability with moderate shear allowed for scattered thunderstorms to develop. A few bowing segments of thunderstorms were noted across portions of northern Indiana, with a few of these producing localized damage.

Storm Data and Unusual Weather Phenomena - November 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|-----------|----------------------|------------------------|------------------------|
|----------|-----------|----------------------|------------------------|------------------------|

INDIANA, Northeast

(IN-Z003) LA PORTE

| | | |
|--------------------|---|------------------|
| 11/17/08 18:00 EST | 0 | Lake-Effect Snow |
| 11/18/08 15:00 EST | 0 | |

Lake-Effect snow squalls and showers affected much of far northwest Indiana and southwest lower Michigan November 17th into very early November 18th. This was a result of arctic air overriding warm lake waters behind a strong cold front.

(IN-Z003) LA PORTE, (IN-Z004) ST. JOSEPH, (IN-Z012) STARKE, (IN-Z014) MARSHALL

| | | |
|--------------------|---|------------------|
| 11/20/08 11:00 EST | 0 | Lake-Effect Snow |
| 11/21/08 11:00 EST | 0 | |

Cold northwesterly winds crossed relatively warm Lake Michigan waters early November 20th. This resulted in lake-induced instability and multiple lake-effect snow bands during the day November 20th. A secondary trough moved through in the afternoon, which aided in the development of an intense single band (Type 3 Lake Effect Snow event) that night into the first half of November 21st. Amounts of 6-14 inches were reported within this heavy lake effect snow band.

(IN-Z034) JAY

| | | |
|--------------------|---|----------------|
| 11/24/08 05:50 EST | 0 | Winter Weather |
| 11/24/08 05:50 EST | 0 | |

A weak system brought light rain to the area. Temperatures hovered around freezing, allowing for some of the rain to freeze on roads and elevated surfaces. At least one accident resulted in a fatality in Jay County when a truck went over a guard rail on an overpass, flipped and came to rest upright.

MICHIGAN, Extreme Southwest

(MI-Z077) BERRIEN

| | | |
|--------------------|---|------------------|
| 11/17/08 18:00 EST | 0 | Lake-Effect Snow |
| 11/18/08 15:00 EST | 0 | |

Lake-Effect snow squalls and showers affected much of far northwest Indiana and southwest lower Michigan November 17th into very early November 18th. This was a result of arctic air overriding warm lake waters behind a strong cold front.

(MI-Z077) BERRIEN, (MI-Z078) CASS

| | | |
|--------------------|---|------------------|
| 11/20/08 10:00 EST | 0 | Lake-Effect Snow |
| 11/21/08 12:00 EST | 0 | |

Cold northwesterly winds crossed relatively warm Lake Michigan waters early November 20th. This resulted in lake-effect snow, with an intense single band (Type 3 Lake Effect Snow event) that set up over Berrien County and western Cass County late on November 20th into the first half of November 21st. Amounts of 8-14 inches were reported within this heavy lake effect snow band.

Storm Data and Unusual Weather Phenomena - December 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|------------------------------|
| INDIANA, Northeast | | | | |
| (IN-Z003) LA PORTE | | | | |
| | 12/04/08 23:00 EST | | 0 | Winter Weather |
| | 12/05/08 11:00 EST | | 0 | |
| Very cold air moving over relatively warm waters of Lake Michigan created light lake-effect snow showers across northwest Indiana late December 4th into December 5th. Snowfall amounts were light. There was one fatality reported in La Porte County early December 9th. | | | | |
| (IN-Z034) JAY | | | | |
| | 12/06/08 04:00 EST | | 0 | Winter Weather |
| | 12/06/08 17:00 EST | | 0 | |
| An Alberta Clipper tracked through the region on Saturday, December 6th. Light snow accompanied this system, with generally light accumulations reported. However, the light snow was enough to create icy roads with 1 fatal accident in Jay County. | | | | |
| (IN-Z004) ST. JOSEPH | | | | |
| | 12/16/08 15:00 EST | | 0 | Winter Weather |
| | 12/17/08 11:00 EST | | 0 | |
| Light lake-enhanced snow fell December 16th into early December 17th. Snowfall amounts ranged from 1 to 3 inches. This led to icy road conditions and a fatal car crash early December 17th in South Bend. | | | | |
| (IN-Z003) LA PORTE, (IN-Z004) ST. JOSEPH, (IN-Z005) ELKHART, (IN-Z006) LAGRANGE, (IN-Z007) STEUBEN, (IN-Z008) NOBLE, (IN-Z009) DE KALB, (IN-Z012) STARKE, (IN-Z013) PULASKI, (IN-Z014) MARSHALL, (IN-Z015) FULTON, (IN-Z016) KOSCIUSKO, (IN-Z017) WHITLEY, (IN-Z018) ALLEN, (IN-Z020) WHITE, (IN-Z022) CASS, (IN-Z023) MIAMI, (IN-Z024) WABASH, (IN-Z025) HUNTINGTON, (IN-Z026) WELLS, (IN-Z027) ADAMS, (IN-Z032) GRANT, (IN-Z033) BLACKFORD, (IN-Z034) JAY | | | | |
| | 12/18/08 23:00 EST | | 0 | Ice Storm |
| | 12/19/08 12:00 EST | | 0 | |
| Significant ice accumulations and light snow/sleet amounts affected the region as a quick moving area of low pressure tracked eastward through central portions of Indiana and Ohio on late December 18th into the first half of December 19th. Precipitation started out as a brief period of snow and sleet, with accumulations of a trace to 2 inches. The precipitation then changed over to freezing rain with most locations receiving between a quarter and half an inch of ice accumulation. | | | | |
| (IN-Z004) ST. JOSEPH | | | | |
| | 12/21/08 16:00 EST | | 0 | Winter Weather |
| | 12/22/08 04:00 EST | | 0 | |
| An arctic cold front swept through northern Indiana early on December 21st. Strong west winds of 20 to 35 mph, combined with lake-effect snow showers created reduced visibilities and blowing snow. This led to icy road conditions. Four people were killed that evening from a car accident on the Indiana toll road near New Carlisle. | | | | |
| (IN-Z003) LA PORTE, (IN-Z004) ST. JOSEPH, (IN-Z005) ELKHART, (IN-Z006) LAGRANGE, (IN-Z007) STEUBEN, (IN-Z009) DE KALB, (IN-Z017) WHITLEY, (IN-Z018) ALLEN | | | | |
| | 12/26/08 04:00 EST | | 0 | Winter Weather |
| | 12/26/08 11:00 EST | | 0 | |
| Freezing rain blanketed much of northern Indiana with a thin sheet of ice during the morning hours of December 26th. Precipitation developed ahead of an approaching warm front, with temperatures generally in the mid to upper 20s as the freezing rain developed. Surface temperatures warmed above freezing by late in the morning, which changed the precipitation over to rain and drizzle. Numerous accidents and slide-offs were reported across the area, with sections of Highway 20, the Indiana Toll Road, and Interstate 69 closed for brief periods due to icy roads. | | | | |
| PULASKI COUNTY --- 0.5 E MEDARYVILLE [41.08, -86.89] | | | | |
| | 12/27/08 15:00 CST | | 10K | Thunderstorm Wind (EG 60 kt) |
| | 12/27/08 15:01 CST | | 0 | Source: Law Enforcement |
| Law enforcement officials reported power lines down as well as some building damage in Medarville. | | | | |

Storm Data and Unusual Weather Phenomena - December 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|------------------------------|
| KOSCIUSKO COUNTY --- 3.7 SSW NAPPANEE [41.40, -86.04] | | | | |
| | 12/27/08 17:06 EST | | 15K | Thunderstorm Wind (EG 60 kt) |
| | 12/27/08 17:07 EST | | 0 | Source: NWS Storm Survey |
| A brief downburst caused a wood framed, sheet metal pole barn to be blown off its concrete foundation. The survey revealed the wind struck the south facing door and caused the entire building to be lifted and then deposited next to the foundation. The owner of the building could not remember if the doors were open or not prior to the winds. Wind speeds were estimated between 60 and 65 mph. Damage is estimated at around \$15,000. | | | | |
| A narrow line of showers brought down strong winds just above the surface as they moved east across northern Indiana during the late afternoon and early evening hours. Little in the way of thunder or lightning was observed with this line. Isolated damage occurred in the Medaryville area as well as just southwest of Nappanee. | | | | |
| (IN-Z005) ELKHART, (IN-Z015) FULTON, (IN-Z018) ALLEN, (IN-Z024) WABASH | | | | |
| | 12/28/08 01:41 EST | | 0 | High Wind (MAX 55 kt) |
| | 12/28/08 03:02 EST | | 0 | |
| Strong winds affected much of the area behind a strong cold front. Sustained winds of 25 to 35 mph were common with gusts of over 60 mph being reported in a few locations. This resulted in some tree and power line damage. | | | | |
| MICHIGAN, Extreme Southwest | | | | |
| (MI-Z077) BERRIEN, (MI-Z078) CASS, (MI-Z080) BRANCH | | | | |
| | 12/06/08 04:00 EST | | 0 | Lake-Effect Snow |
| | 12/07/08 08:00 EST | | 0 | |
| An Alberta Clipper tracked southeastward through the southern Great Lakes on Saturday December 6th. There were light snow accumulations of an inch or two from the morning into the early afternoon hours. Colder northwest winds filtered in behind this clipper, which led to multiple lake effect snow shower bands across southwestern Lower Michigan late Saturday afternoon through early Sunday morning the 7th. Snowfall amounts of 5-8" were reported. | | | | |
| (MI-Z078) CASS | | | | |
| | 12/12/08 09:00 EST | | 0 | Winter Weather |
| | 12/12/08 16:00 EST | | 0 | |
| An intense single lake effect band developed off the relatively warm waters of Lake Michigan. The eastern part of Berrien County and all of Cass County experienced moderate to heavy snow for several hours with 3 to 5 inches of snow falling by the end of the event. The snowfall contributed to at least 2 accidents in Cass County, with 6 injuries occurring. | | | | |
| (MI-Z077) BERRIEN, (MI-Z078) CASS, (MI-Z079) ST. JOSEPH, (MI-Z080) BRANCH, (MI-Z081) HILLSDALE | | | | |
| | 12/19/08 02:00 EST | | 0 | Winter Storm |
| | 12/19/08 12:00 EST | | 0 | |
| A quick moving low pressure system tracked eastward through the northern Ohio Valley early December 19th. Precipitation broke out to the north of this system, with snow mixing with freezing rain and sleet across much of southwestern Lower Michigan. Most locations received between 2 and 6 inches of snow, with up to a quarter inch of ice accumulation. | | | | |
| (MI-Z077) BERRIEN, (MI-Z078) CASS | | | | |
| | 12/21/08 06:00 EST | | 0 | Blizzard |
| | 12/22/08 08:00 EST | | 0 | |
| Arctic air filtered into southwest lower Michigan behind a strong cold front early on December 21st. Westerly winds in excess of 35 mph, combined with heavy lake-effect snow showers led to zero to a quarter mile visibility for extended periods of time December 21st into early December 22nd. The limited visibility led to a 100-vehicle crash on I-94 in Berrien County. | | | | |
| (MI-Z077) BERRIEN, (MI-Z078) CASS, (MI-Z079) ST. JOSEPH | | | | |
| | 12/26/08 06:00 EST | | 0 | Winter Weather |
| | 12/26/08 12:00 EST | | 0 | |
| Freezing rain blanketed portions of southwest Lower Michigan with a thin sheet of ice during the morning hours of December 26th. Precipitation developed ahead of an approaching warm front, with temperatures generally in the mid to upper 20s as the freezing rain | | | | |

Storm Data and Unusual Weather Phenomena - December 2008

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|----------|-----------|-------------------|---------------------|------------------------|
|----------|-----------|-------------------|---------------------|------------------------|

developed. Surface temperatures warmed above freezing by late in the morning, which changed the precipitation over to rain and drizzle. Numerous accidents and slide-offs were reported across the area.

(MI-Z079) ST. JOSEPH

| | | |
|--------------------|---|-----------------------|
| 12/28/08 02:35 EST | 0 | High Wind (MAX 50 kt) |
| 12/28/08 02:41 EST | 0 | |

Strong winds affected much of the area behind a strong cold front. Sustained winds of 25 to 35 mph were common with gusts in the 50 to 60 mph range. Some damage was reported in the White Pigeon area from the strong winds.

OHIO, Northwest

(OH-Z001) WILLIAMS, (OH-Z002) FULTON, (OH-Z004) DEFIANCE, (OH-Z005) HENRY, (OH-Z015) PAULDING, (OH-Z016) PUTNAM, (OH-Z024) VAN WERT, (OH-Z025) ALLEN

| | | |
|--------------------|---|-----------|
| 12/19/08 01:00 EST | 0 | Ice Storm |
| 12/19/08 10:00 EST | 0 | |

Significant ice accumulations and light snow/sleet amounts affected the region as a quick moving area of low pressure tracked eastward through central portions of Indiana and Ohio on December 19th. Precipitation started out as a brief period of snow and sleet, with accumulations of a trace to 2 inches. The precipitation then changed over to freezing rain with most locations receiving between a quarter and half an inch of ice accumulation.

(OH-Z002) FULTON

| | | |
|--------------------|---|----------------|
| 12/26/08 06:00 EST | 0 | Winter Weather |
| 12/26/08 12:00 EST | 0 | |

Freezing rain blanketed portions of northwest Ohio with a thin sheet of ice during the morning hours of December 26th. Precipitation developed ahead of an approaching warm front, with temperatures generally in the mid to upper 20s as the freezing rain developed. Surface temperatures warmed above freezing by late in the morning, which changed the precipitation over to rain and drizzle. Numerous accidents and slide-offs were reported across the area.